SERA
Amateur Radio FM and Repeaters in the SouthEast

Repeater Journal

The Official Voice of SERA, Inc.
May, June, July 2003 3.00

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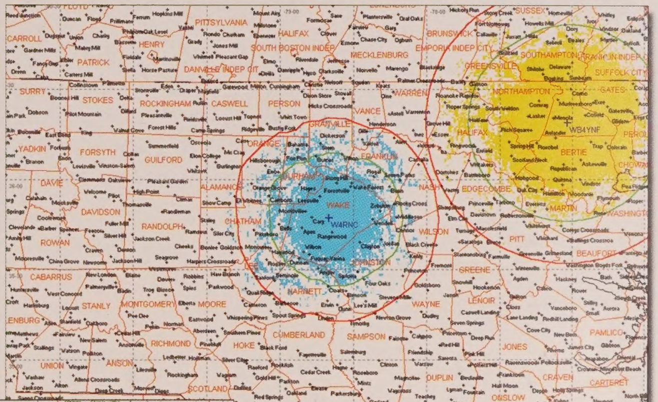
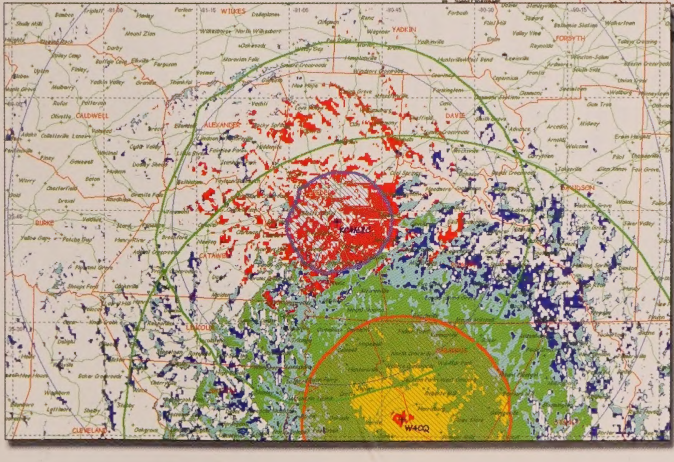
SERA's new repeater coverage software shows which repeaters can live together.....





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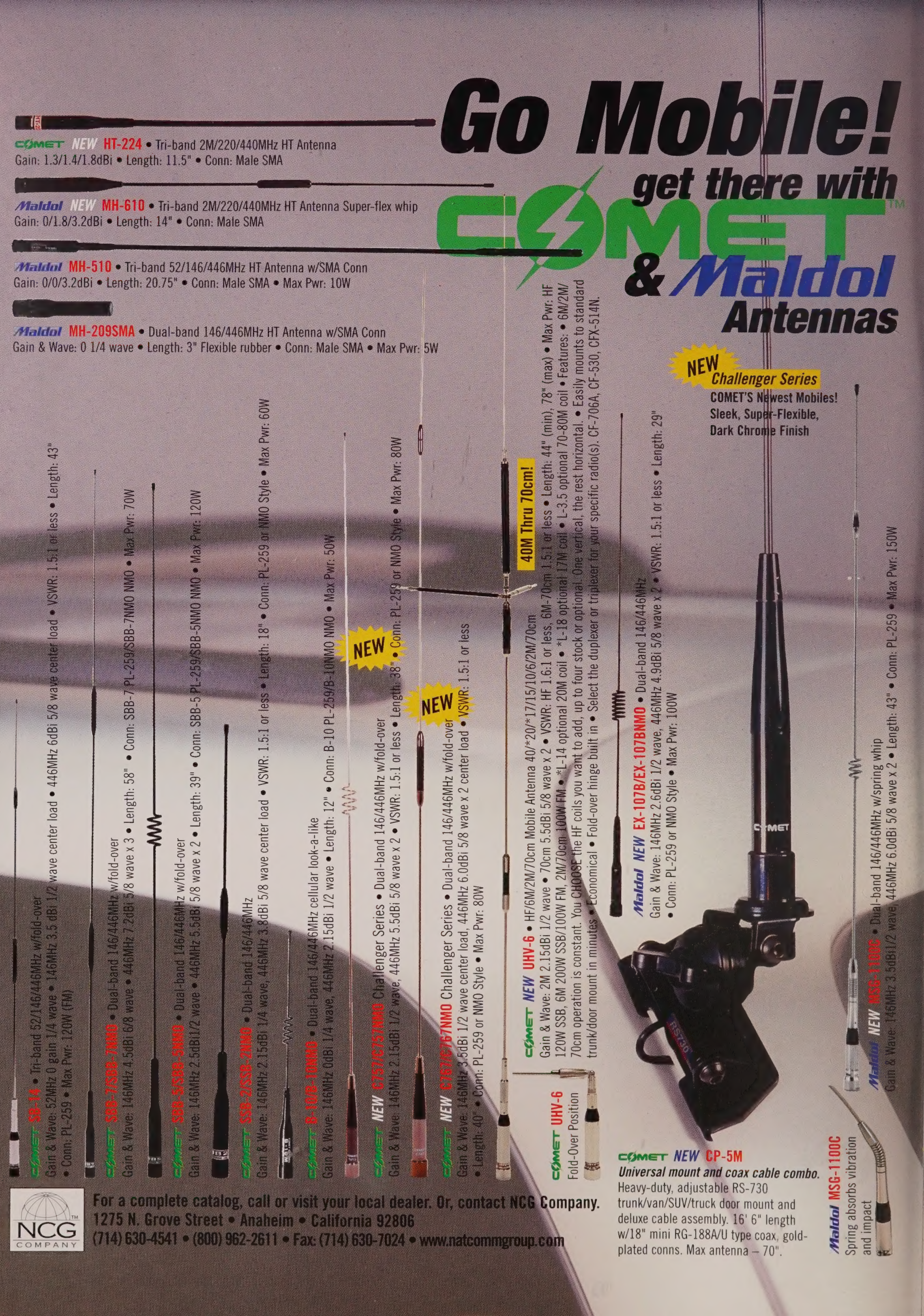

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NEW

COMET NEW C767/C767NMO Challenger Series • Dual-band 146/446MHz w/fold-over
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HAMFEST / COMPUTER EXPO 2003

*** Southeastern Division ARRL Convention ***

Sponsored by the **Lanierland Amateur Radio Club**
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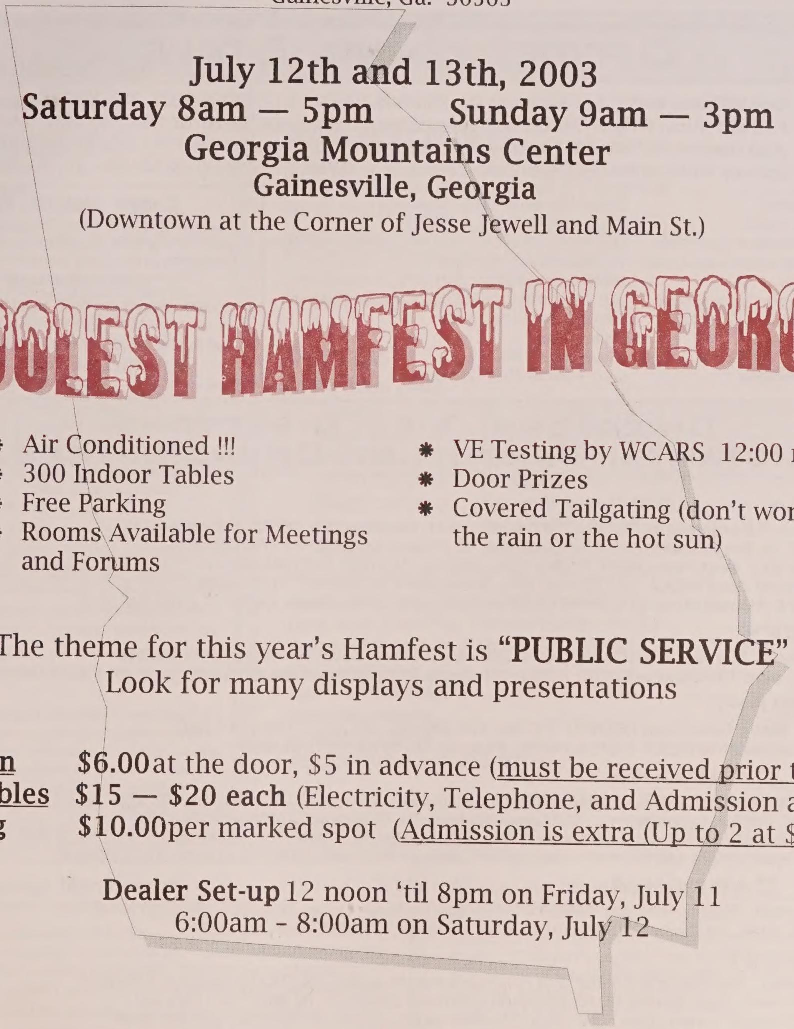

July 12th and 13th, 2003
Saturday 8am — 5pm **Sunday 9am — 3pm**
Georgia Mountains Center
Gainesville, Georgia
(Downtown at the Corner of Jesse Jewell and Main St.)

COOLEST HAMFEST IN GEORGIA

- Air Conditioned !!!
- 300 Indoor Tables
- Free Parking
- Rooms Available for Meetings and Forums
- VE Testing by WCARS 12:00 noon
- Door Prizes
- Covered Tailgating (don't worry about the rain or the hot sun)

The theme for this year's Hamfest is **"PUBLIC SERVICE"**
Look for many displays and presentations

Admission	**$6.00** at the door, $5 in advance (must be received prior to June 30)
Inside Tables	**$15 — $20 each** (Electricity, Telephone, and Admission are extra)
Tailgating	**$10.00** per marked spot (Admission is extra (Up to 2 at $5.00))

Dealer Set-up 12 noon 'til 8pm on Friday, July 11
6:00am - 8:00am on Saturday, July 12

For more information contact:

Terry Jones, W4TL
770-967-6364
E-mail w4tl@arrl.net

John Vaughn, WA4ZQP
770-887-2548
E-mail wa4zqp@arrl.net

Best Western Lanier Centre is the official Hamfest Hotel. Located 1 block from the Mountain Center. Special Hamfest rates are available at $45.00 per night.
Call Toll Free 1-800-782-8966 or 770-531-0907 for hotel reservations

SERA

THE SOUTHEASTERN REPEATER ASSOCIATION

Providing voluntary frequency coordination for Amateur Radio repeaters in Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia and West Virginia

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Coordinator Software Development	Jeff Benjamin, W4KMB, Jay Campbell N4YMY
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Internet Manager	Alex Hedrick N8FWL
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callsign@sera.org

Don't know who to contact? Send mail to:
info@sera.org

or call the ***SERA Hotline:* 888-HAM-SERA**
SERA *Fax Line:* 304-640-6611

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SERA Repeater Journal
The Official Voice of SERA, Inc.

The Official Magazine of the SouthEastern Repeater Assn., Inc.
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exclusively for southeastern repeater owners and users.

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SERA MEMBERSHIP

Full Repeater Membership
(A Membership for Repeater Owners & Sponsors)

Any repeater owner or club may join SERA as a Full Member if they have a properly coordinated and operating repeater on the air. A Full Membership application, coordination information (if not on file), and the correct membership fee should be submitted.

Two individuals representing the full member repeater, named and listed on the application by the owner, receive the *Repeater Journal* each quarter.

The two Full Member Representatives have voting privileges in SERA elections and may be eligible to hold elective offices within the organization. The full member repeater is also recognized as a SERA supporter in the repeater index with a ☺ symbol. A Full Member application is available in this issue of the Repeater Journal, and on the SERA web site: **www.sera.org**.

Full Member dues are $20/year, pro-rated by quarter. All full memberships expire on December 31st of each year.

Associate Membership
(A Membership for Repeater Users)

Amateurs Radio operators, especially repeater users, are invited to join SERA as Associate Members. Only $8.00 per year will enable you to support the organization and receive the *Repeater Journal.* Associate Members may hold appointive offices within SERA, but do not have voting privileges.

Associate Membership begins in the quarter you join, and dues are not pro-rated. Renewals are due in the same quarter in subsequent years.

REPEATER JOURNAL MAILING

The *Repeater Journal* is mailed Bulk Rate during the first week of the cover date. Delivery takes one to two weeks. Notify the **editor** if you have not received your copy by the 1st of the following month. **The Journal is *not* forwarded to new addresses. If you move, send your new address to the editor!**

New software helps SERA Coordinators make the close calls

Radio Propagation Modeling at SERA

Frank A. Lynch, W4FAL

The cover on this issue features some plots from commercial propagation modeling software that SERA acquired last year. I had intended to write a longer article about the various features of the software, but work schedules have eaten heavily into my SERA activities this month. For this issue, I'll cover some of the features and perhaps I can write future articles on some of things this software package is capable of.

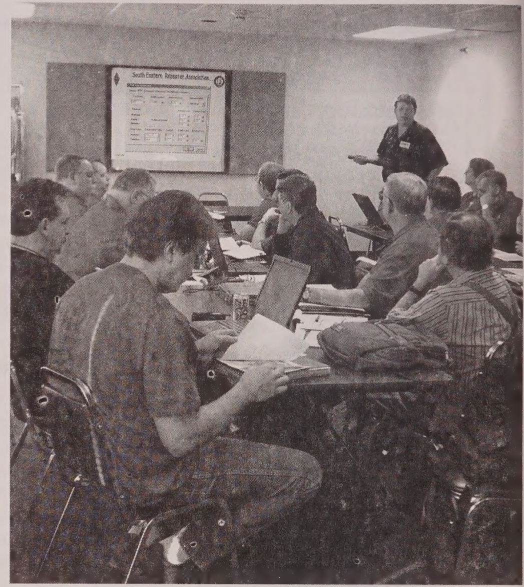
The software is called Commstudy and is by Radiosoft, Inc. The software features a 3 second digitized terrain database, land cover database, roads, and various other geographic terrain features. While the software supports a variety of propagation models, the one we primarily use is Longley-Rice. It's the most compute intensive and also the most accurate.

Unlike many of the older propagation models that deal with terrain on a statistical basis (the height above average terrain method that many broadcast engineers are familiar with), this program actually calculates the signal strength over the coverage area taking into account the terrain and a variety of technical parameters concerning factors such as ground conductivity and dielectric constant. This feature is useful in evaluating radio paths over bodies of water.

Also available are features for evaluating propagation conditions during enhanced band conditions, when radio signals may propagate greater than normal distances.

This issue's cover shows a couple of plots generated by the software. These were studies done on actual systems here in NC. One of these involved a repeater that had a co-channel neighbors just a little closer than the current recommended spacing of 100 miles. Those coordination guidelines have served SERA well for many years and were written at a time when tools like this for precisely evaluating coverage did not exist. Through the use of these new tools, coordinators are able to more accurately determine the level (if any) of interference that may exist between repeaters. In this case, the program showed that there would be no interference or overlap in coverage.

The other plot shows two repeaters operating on adjacent 15kHz channels that are much closer than the recommended spacing of 50 miles. The red blotches in the plot shows that the repeaters do in fact destroy a significant amount of each others coverage area. (In this case, one of the repeaters is uncoordinated.)



W4FAL reviews the Commstudy program at the SERA board meeting in January

At the last SERA meeting in January, 2003 an extensive training session was held on using the software and more are planned for upcoming meetings. In some future articles, I hope to write about specific features of the software with some case studies of successful use of the software to coordinate repeaters that might not have otherwise been able to be coordinated without an expensive on the air test.

If you have specific questions about the software and how your SERA might assist you with coordination or coverage determination, contact Frank A. Lynch, W4FAL at **w4fal@sera.org**. ■

SERA Board eliminates UHF repeater spacing recommendation

The SERA board voted by e-mail over the winter to change the geographic spacing recommended between 440 MHz and above repeaters operating on adjacent channels from 25 miles to zero. In other words, two UHF repeaters operating on adjacent 25 kHz channels could operate from the same tower.

The change originated in a motion made by Frank Lynch W4FAL, NC Vice Director and Frequency Coordinator. Lynch noted that equipment manufactured in the past 20 years can handle the spacing, and the practice is common in commercial use. He said that eliminating the distance requirement would make it easier to coordinate repeaters in congested environments where access to tower space is at a premium.

Most of the Board voted to approve the change, but it was not unanimous. One Board member noted that he already had two UHF repeaters operating about 10 feet apart on adjacent channels with no degradation. But another Board member was concerned that not all ham repeaters met tight commercial specifications, and might have problems. The Board rejected an alternative proposal to reduce the spacing to eight miles.

Adjacent channel distance recommendations for 50, 146 and 220 MHz bands remain at 25 miles for repeaters on 20 kHz channels, and 50 miles for two-meter repeaters operating on 15 kHz channels.

Two Amateur Radio Bills Reintroduced in Congress

The Amateur Radio Spectrum Protection Act has been reintroduced in the US House, and this year a companion bill has been introduced in the Senate (HR 713 and S 537). These are short pieces of legislation that would require the FCC to provide "replacement" spectrum to Amateur Radio whenever any of our primary or secondary spectrum is reallocated or reduced, or if other services are permitted to share our bands in a way that would diminish our ability to use them.

Will It Pass This Year?

That's pretty much up to you! Are you willing to write your federal legislators and ask them to co-sponsor and vote for this bill? The ARRL web site has sample letters and links for contacting legislators on at:

www.arrl.org/govrelations/arspa.html

If you want to "roll your own," the snail-mail addresses for all the guys on Capitol Hill are:

Office of (Name)
United States House of Representatives
Washington, DC 20515

Office of (Name)
United States Senate
Washington, DC 20510

And the e-mail addresses can be found at:

www.house.gov/writerep
www.senate.gov/contacting/index.cfm

Your Senators or Representatives may already be co-sponsors of the bill, but it's not likely! The ARRL web page will show you how to check.

Hope in fight against CC&R's

The **Amateur Radio Emergency Communications Consistency Act** has also been reintroduced to the House only as HR 1478. This bill, introduced for a second year by Rep Steve Israel (D-NY), would extend PRB-1 protection to the private contracts between homeowners and the associations that enforce deed restrictions that restrict or prohibit Amateur Radio antennas.

The current PRB-1 is an FCC rule that requires states and municipalities to "reasonably accommodate" ham antennas.

The bill is in the process of attracting co-sponsors (it had many last year). It will need a corresponding Senate bill before it has a chance of becoming law.

Amateur Radio Spectrum Protection Act of 2003

SECTION 1. SHORT TITLE.

This Act may be cited as the 'Amateur Radio Spectrum Protection Act of 2003'.

SECTION 2. FINDINGS.

The Congress finds the following:

(1) More than 650,000 radio amateurs in the United States are licensed by the Federal Communications Commission.
(2) Among the basic purposes of the Amateur Radio and Amateur Satellite Services are to provide voluntary, noncommercial radio service, particularly emergency communications.
(3) Emergency communications services by volunteer amateur radio operators have consistently and reliably been provided before, during, and after floods, hurricanes, tornadoes, forest fires, earthquakes, blizzards, train accidents, chemical spills, and other disasters.
(4) The Federal Communications Commission has taken actions which have resulted in the loss of at least 107 MHz of spectrum to radio amateurs.

SECTION 3. FEDERAL POLICY REGARDING REALLOCATION OF AMATEUR RADIO SPECTRUM.

Section 303 of the Communications Act of 1934 is amended by adding at the end the following new subsection:

(z) Notwithstanding subsection (c), after July 1, 2003 --

(1) make no reallocation of primary allocations of bands of frequencies of the amateur radio and amateur satellite services;

(2) not diminish the secondary allocations of bands of frequencies to the amateur radio or amateur satellite service; and

(3) make no additional allocations within such bands of frequencies that would substantially reduce the utility thereof to the amateur radio or amateur satellite service;

unless the Commission, at the same time, provides equivalent replacement spectrum to amateur radio and amateur satellite service.

Amateur Radio Emergency Communications Consistency Act of 2003

SECTION 1. SHORT TITLE.

This Act may be cited as the 'Amateur Radio Emergency Communications Consistency Act of 2003'.

SECTION 2. TREATMENT OF PRIVATE LAND USE RULES AS LOCAL REGULATION.

For purposes of the Federal Communications Commission's regulation relating to station antenna structures in the amateur radio services (47 CFR 97.15), any private land use rules applicable to such structures shall be treated as a State or local regulation and shall be subject to the same requirements and limitations as a State or local regulation.

Presenting the Year 2003 - the 47th Annual

SHELBY, NC HAMFEST

The Grand-daddy of them All!

SATURDAY AND SUNDAY

August 30th & 31st, 2003

To Be Held At The Cleveland County Fairgrounds

SHELBY, NORTH CAROLINA

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More Details to Come in Our August Repeater Journal Ads.

2003 SHELBY HAMFEST PRE-REGISTRATION FORM

I would like to be an "Early Bird" and Pre-Register for
The Year 2003 SHELBY HAMFEST!

Cut-off for pre-registration is August 16.

Enclosed is my check for: _______ Hamfest Tickets at $5.00 each. Total:____________

Children under 12 years-old FREE!

Mail Completed Pre-Registration form with your check. Include SASE for return of your tickets.

This is a gate admission ticket order only. There is a separate ticket for flea market space. It will be $10.00 for each 10-feet of space. (Limit: 5 flea-market spaces per person)

Call __________ Name ______________________________

Address ______________________________

City ______________________________

Phone [____] ______________________________

Mail completed Pre-Registration form with your check. Please include **S.A.S.E.** for return of tickets

MAIL TO: SARC
P.O. BOX 2206
SHELBY, N.C. 28151-2206

Pre-Registration tickets will already be in the barrel. **Note:** No member of the Shelby Amateur Club or immediate family is eligible to win any awards

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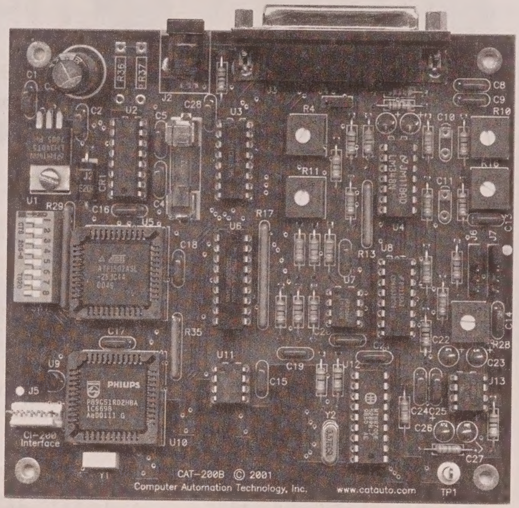

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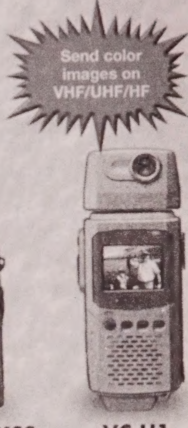

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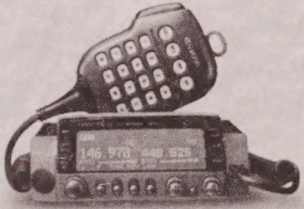

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Part 2

Return to RACES

Mary Holtschneider KG4OQA
KG4OQA@arrl.net

In my article Return to RACES, Part 1, published in the last issue of the *Repeater Journal,* I explored the origins of Radio Amateur Civil Emergency Service (RACES) and what the individual SERA member states are doing to prepare for a possible RACES activation.

Since that article was published, the former Office of Homeland Security became an official cabinet-level department, the Department of Homeland Security. The Federal Emergency Management Agency (FEMA), where RACES authority resides, is now part of the Department of Homeland Security. The federal government has created new guidelines on disaster preparedness for the general public, much of which we as amateur radio operators have known and done for years.

As war tension escalates worldwide, questions arise as to what the role is of amateur radio in the efforts of homeland security, both nationally and locally? How does the current national environment affect amateur radio, ARES operations, and potential RACES activations?

ARRL Offers Training Courses

Perhaps the largest initiative that we have seen in response to the threat of terrorism is with regard to amateur training. As is generally agreed throughout the amateur community, training in emergency communications is essential if operators are going to be effective when they are truly needed.

On the national level, Dan Miller K3UFG, Emergency Communications Course Manager for the American Radio Relay League (ARRL), has been involved with the implementation of the $540,000 Homeland Security grant given to the ARRL to train at least 5000 amateur operators in emergency communications over a three-year period. Currently, the ARRL offers three levels of the Amateur Radio Emergency Communications Course (ARECC) online, and some local areas also offer these courses in a classroom setting.

The Homeland Security Grant, which comes from the Corporation for National and Community Service (CNCS), has provided reimbursement of the Level 1 course fee for ARRL members after successful completion of the course. As Miller explains, "A goal of the ARRL is to make amateur radio the number one emergency communications tool in the country." In addition to training operators, the ARRL continues to educate national lawmakers and government officials about amateur radio, and is actively involved with the Federal Emergency Management Agency (FEMA), where RACES currently resides, and the Department of Homeland Security.

Virginia RACES Also Offers Training

Outside of the ARRL, other organizations, such as Virginia RACES, focuses on providing training programs via their website as well as in the classroom setting. VA RACES concentrates on providing local government support for the state. According to Tony Amato KR4UQ, State Emergency Radio Officer (SERO), VA RACES has been offering free training for its members since 1997, but has made modifications to its training after the events of 9/11. In addition to the basic operators course and field operations course material, there are updated training sections on chemical and bio-terrorism, weapons of mass destruction, and nuclear hazards. "While VA RACES members are not first responders, we believe they need to be conversant in the dangers they could be exposed to should America be attacked," explains Amato.

"Our training concept is not to be reactive, but proactive. We have looked at the various problems a member might encounter in a response and developed a training module for that need or needs. The assessment process, conducted just after 9/11, included several federal law enforcement and other federal agencies, and selected local emergency managers…. The war in Iraq really has had no impact on our training concepts as we have been planning for potential repeats of 9/11, although we pray we are spared another such event."

North Carolina Prepares for RACES

Though effective and relevant training for amateur operators in emergency communications is essential, another piece for overall preparedness is making sure that

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guidelines are in place in the event of a RACES activation. North Carolina recently moved forward in preparing for possible RACES activation. John Covington W4CC, North Carolina Section Manager, in conjunction with others in the state, finalized a document in April entitled "RACES Guidelines for North Carolina."

According to the NC guidelines, NC ARES operators can transition to RACES operators if they have properly registered with their county Emergency Coordinator (EC). County EC's, who are also the County RACES officers, must keep accurate records as well as hold RACES drills and facilitate RACES training. The Section Emergency Coordinate (SEC) will also serve as the State RACES officer and will hold statewide drills. Though most work will be done through the ARES structure, the document emphasizes the need for all ARES/RACES operators to be familiar with RACES frequencies and procedures in the event that RACES is activated.

According to Covington, "In NC, ARES and RACES now have a unified command structure that primarily falls under the ARES umbrella. This document sets forth how that command structure extends to cover our RACES responsibilities."

Through efforts of various groups within the amateur radio community, emergency communications training and increased RACES awareness continue to be in the forefront of discussion. Given the current international climate, it is likely we will see further developments in the role of amateur operators in providing emergency communications. Adequate preparation, both individually as well as collectively, will be the key factor in ensuring that we meet our obligations if and when we are needed. ■

Will ham radio be shut down if war is declared?

ARRL Letter

The short answer is "no."

Just prior to the Gulf War, §214.4(b)(4) of Title 47 of the Code of Federal Regulations was deleted. This section had mandated the closing of all Amateur Radio stations except Radio Amateur Civil Emergency Service (RACES) stations in the event that the president proclaimed a war or national emergency. The last time Amateur Radio was shut down was during World War II, although the FCC continued to give Amateur Radio examinations.

While the Amateur Radio Service will not automatically be shut down if the president invokes the War Powers Act, Amateur Radio licensees must continue to observe any directives the FCC may issue in the interests of national security and of making spectrum available for government use.

[Editor's note: this article was published in the ARRL Letter before the war with Iraq started, but the information is useful in the event of any future conflict. It is especially important in light of the modern trend of Presidents to not ask Congress to formally declare war, or specifically invoke the War Powers Act. - KN4AQ]

Wilmington ham brings kids to Amateur Radio

For the second year in a row, Bill Wetherill N2WG held a two week radio summer camp designed for middle and high school students to get their Technician licenses. Last June, 15 new amateurs joined the ranks of the hobby. They included an almost equal number of boys and girls, and even one mother who studied the night before the exam and passed.

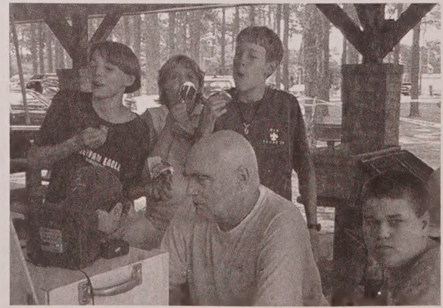
Bill, a teacher, has worked extensively with youth in the Wilmington, North Carolina area. His wife Karen KG4BUK is Asst. Dean of the Watson School of Education at the University of North Carolina at Wilmington (UNCW), and made arrangements for the classes to be held at the University's library. The only cost for the two week course was for the text, ARRL's ***Now You're Talking***. On the last day of class, VEs from the Azalea Coast Amateur Radio Club came in and held a special examination session.

"Over the years I have seen firsthand how amateur radio shows kids practical applications for math, science and social studies", says Bill enthusiastically. He has held many demonstrations for area youth and is active with the School Club Roundup every February and the Boy Scouts of America's Jamoboree On-The-Air (JOTA) held every October. This past year, Bill has invited interested kids to come work other hams as third party operators through satellites, especially AO-40. This year's radio camp straddled Field Day, so many of the kids in his class came out and operated a GOTA station (Get On-The-Air). Most were distracted from their 15 meter duties when the Good Humor ice cream truck stopped nearby.

Once the youngsters are licensed, Bill elmers them with antenna and kit projects, and is helping to start a Youth Net on one of the local repeaters. Some of his graduates have already expressed interest in going on for their General ticket, and Bill has accommodated them by starting a General class. He has held code practice in the past on 2 meters and may start it again.

To learn more about training kids and about Bill, visit his fascinating website at **home.ec.rr.com/n2wg.** ■

N2WG and his "distracted" young hams



Teach Ham Radio?

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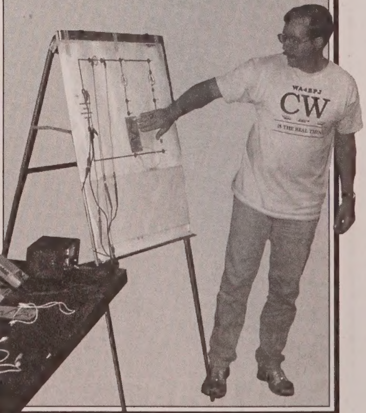
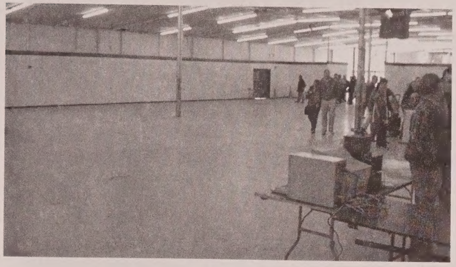
E-mail: *editor@sera.org*



Frostfest: Where were the Dealers?

Gary Pearce KN4AQ



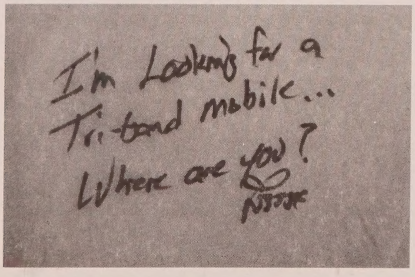
Empty space were dealers used to be at the Richmond FrostFest.

If you attended the Richmond FrostFest this year, you probably wondered what happened to the new-equipment dealers. The hamfest itself was well attended, and the flea market area was packed. But no dealers? Where did they go?

The two main dealers the FrostFest has had for years were Communication Headquarters, from Wilmington, NC, and HRO (Ham Radio Outlet) from the chain's store in Woodbridge, VA. Last year, when the hamfest moved from January to February, they lost Communications Headquarters to the Orlando hamfest, and HRO had the show to themselves (and did a land-office business). This year, the HRO store manager elected not to come.

information
H R O
Said they no longer had sufficient staff to come to Frostfest.
Let them know how YOU feel on this table!

FrostFest organizers put up this sign to answer the question "Where's HRO" that they heard over and over. Beneath the sign was a tablecloth, and an invitation to write a comment. By the end of the day, it was filled with notes like the one below



I'm Looking for a Tri-band mobile...
Where are you?
N3JJF

Steve Rock N4SR is the manager of the Woodbridge HRO store, and he said it was a question of manpower and expense. A dealer may *seem* to be doing well, selling a lot of radios. But profit margins on ham equipment are low (5 to 7%). Add the cost of renting a truck, paying staff overtime, food and lodging, and a FrostFest size hamfest isn't a big moneymaker. Dealers like HRO typically attend them because supporting local hamfests is the "policitally correct thing to do," Rock said. But, he added, HRO will be attending fewer of the smaller hamfests in the future.

Hamfests also beat up the sales staff. They are intense, and you have to send your "A-Team" to handle the activity. Good ham salespeople are hard to come by (you don't get rich working at a ham store), and Rock said he just didn't have the people to send.

Communications Headquarters' Shirley Peay N4LFV doesn't have quite that problem, although they have cut back on the number of hamfests they attend as well. It's been a few years since they've been at Elkin, for example. At their peak, Comm Hq sold at more than 30 fests a year. Now it's 12 or 13.

They would still be at FrostFest if it weren't for the date change. Peay said that they can do better at the Orlando hamfest, competing against seven or eight other dealers, than they could as the only dealer in Richmond.

So what about that date change? FrostFest chairman Jim Clark N3JJF said the problem was that the hamfest rented the building for only one day (Sunday), and the owners were looking for revenue from events that would take it for a three-day block. Activity was picking up, and a boat show wanted the FrostFest January weekend. FrostFest's options were to buy the building for the whole weekend (too expensive), or move to the February date, when they could share the facility with a dog show that needed only Saturday.

The boat show offered some financial compensation to entice the FrostFest to move, but the hamfest sponsors really had no choice anyway. They could have held their January date for one more year, and then they would have been out.

The FrostFest flea-market crowd was good, and there were few unsold tables. The lack of major dealers and the date change didn't seem to hurt this year

While many hams were disappointed that there were no major dealers, Clark said others commented that it was nice to have an "old-time" hamfest that focused exclusively on flea-market. But he doesn't know how the situation will translate to attendance over the next few years. Like most hamfests, the FrostFest attendance peaked a few years ago in the 3000's, and has slowly dropped to the mid 2000's in the past few years.

Clark said that there has been a little talk with the sponsors of the Virginia Beach hamfest about some kind of joint operation. Frosfest has a venue, but a problem date. Virginia Beach has a good date , but as of press time, no venue for 2003. Something may happen there, but it's not likely considering the distance between Richmond and Virginia Beach. ■

SERA
THE REPEAT... JOURNAL

SERA did well at the FrostFest, almost matching last year's record membership recruitment. And this year, a visit by ARRL Sr. News Editor Rick Lindquist N1RL, the voice of "ARRL Audio News", right)

Radio Chuckle...

Wayne Robertson K4WK

From the Atlanta Radio Club Newsletter:

Atlanta Ham

OFFICIAL PUBLICATION OF THE ATLANTA RADIO CLUB, W4DOC APRIL 2003

One time I took my then-8th-grade daughter and two of her friends on a day trip to a state park a few hours out of town. I had recently become a ham, so I talked about it a lot, and one of the girls, Claire, was quite curious (while my daughter and the other friend were totally disinterested).

We'd been on the road about 30 minutes, with my two meter radio on, but there had been quiet – it was, after all, Saturday morning and still a bit early and we all know hams are not early-risers (except maybe on the day of a hamfest).

After a while, the repeater broke the silence and identified itself in a loud and deep voice, "THIS IS W4DOC. GOOD MORNING."

I ignored it of course and continued to drive, staring straight ahead, but out of the corner of my eye I saw Claire starting to fidget, and finally she blurted out "Well, are you going to answer him or not?"

Welcome new hams, young and old, to the repeater

Tom Muney AG4SF

I have read a lot of articles in *QST* and *CQ* magazines on how we need to get young people involved in amateur radio. The articles say we are a dying breed and need new blood. No doubt we amateur radio operators are aging as a group. Our hobby now has a lot of competition as far as young people are concerned. The movies in home, computers, electronic games, and all kinds of entertainment outside the home are more enticing than amateur radio to young people.

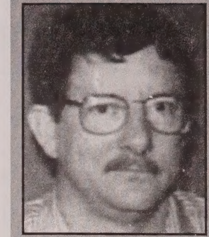
On the repeater I stand by on most of the time, we have some new hams. Some of them are teenagers. They are nice, courtious, and evidently smart because they passed the same tests we all had to pass. They abide by the FCC rules, always acknowledge a breaking station, and stand by for traffic.

They were excited about and looked forward to field day. They are trying to build antennas to experiment with. They are using the otherwise silent repeaters. Furthermore they even use simplex when possible.

Some hams have welcomed them into the ranks of amateur radio, and to the repeater. Some of us have joined in on their conversations. This is good. We all need to encourage new hams. We shouldn't be so critical of them. We were all new to the airways at one time. Some of us were even young once upon a time.

Some older hams have made fun of the new hams even so far as to belittle them on the air. I have heard some engage in deliberate interference to try to run them off a frequency. I don't understand this type of operation. We all agree that we need new hams and especially younger hams. Then we get on the air and try to run them off. No wonder kids like the computers better than ham radio.

I think we should all act our age . We need to help the new comers to our hobby. Let us make our hobby enjoyable to all that have the knowledge, expertise, and go to the expense to become an amateur radio operator. Let us welcome all to a wonderful hobby.



Getting Started

advice for new hams

Jack Mood, SFO, W4HTX
3732 Ashley Hall Drive
Charlotte, NC 28227-6602
w4htx@sera.org

You Can Help!

I am wondering how many of our new Amateurs are aware of the many ways that Hams are able to give something back to our communities and help our fellow humans?

I am writing this 03/30/2003, after our country has been at war for a time in Afghanistan, and more recently in Iraq. I won't get into the politics or the ethics or the many pros and cons of war. Suffice it to say that we're involved like it or not. We all hope it ends quickly.

Messages from MARS

There is a great service you can do for our armed service persons that are at war by researching and perhaps joining one of the MARS programs. It's a really fulfilling program for you, and a great service to our Armed Forces.

MARS stands for **Military Affiliated Radio System**. MARS is a lot less of a mouthful, I'd say!

MARS operators often conduct nets to facilitate passing 'welfare' traffic to families of our servicemen and our servicewomen. In short, they call a number and contact a person that the serviceperson wants to have a message delivered to. For example, I would be sending home a note saying "I love you and miss you. I am safe and I will be home as soon as I can!" to my wife if I were somewhere in the theatre of operations for the current action.

MARS operators send "MARS Grams" which are somewhat like a telegram - very much limited in length and content. They say what the serviceperson wanted to say using whatever means needed to forward the message, be it voice, packet radio, cw (Morse Code) or phone (plain old voice). Each operator passes the message on to the next station until the intended recipient is reached. This is done almost "Pony Express" style. Sometimes a message's elements like "I love you and miss you" is compressed by using numerically coded traffic, but the meanings are always preserved.

Sometimes MARS operators are able to provide a real-time 2 way conversation between the serviceperson in the field and the person they needed to talk with. This is called a "Phone Patch." During past conflicts, many operators provided the last contact that relatives had with their loved ones. All too many of our servicepersons were killed and the MARS network provided that last call, that last contact.

Wives, husbands, fathers, mothers, sisters, brothers, uncles and aunts and more will be sent hundreds of messages via MARS stations. Many messages are sent via MARS because the soldiers in the field have no computer to e-mail with and no other means to send a message back home other than MARS.

The people on the front lines can't stop at a local phone booth and phone home. They either don't exist, or they have been destroyed. Most of the communications infrastructure was destroyed early on in Iraq to make it difficult on the opponents. That's a standard thing in most military actions. Much of Afghanistan has no communications infrastructure.

As a Technician class Ham, you will be allowed to do many things using your station equipment that you are NOT allowed to do on Amateur bands. This does not mean you can willy-nilly run through the MARS frequencies. MARS is a highly disciplined service, and you are only permitted what your MARS supervisors allow. There is much training initially, and a good bit of in-service or ongoing training. MARS is, as I said, highly disciplined service.

For example, last year several MARS operators were instrumental in helping a military family with the birth of their baby. Through careful planning, they successfully allowed a GI on board a US Navy aircraft carrier somewhere in the Persian Gulf to be a remote participant in California while his wife was in labor. The GI heard his new baby's first cry and was able to talk with his wife for a short while. All courtesy of a dedicated group of MARS operators.

Not all MARS traffic is as emotionally charged as a child's birth, but it's usually extremely important to the persons involved. Normally, the traffic involves health & welfare messages. For example, hearing from a son or daughter that they are OK can relieve a huge amount of stress in parents' minds.

For example, "Joe" is stationed somewhere in Iraq or Afghanistan and just wants to say, "I'm OK" to his Mom and Dad. A short message can be as they say in the MasterCard ™ advertisements, "PRICELESS"!

MARS Contact Info:

Army	**www.asc.army.mil/mars/**
Air Force	**public.afca.scott.af.mil/public/mars1.htm**
Navy/Marine	**navymars.org/**

The Coast Guard has no official MARS to my knowledge.

When deployed overseas (and some are) Coast Guardsmen can be contacted via Department of Defense channels.

ARES Fills Local Needs

There are also many other ways you can assist when communications problems arise. For example, if there is a need, your local **Amateur Radio Emergency Service** (ARES) coordinator should be a good source of information about volunteering to assist when needed. There is a good deal of mandatory training, and some phone calls may come at really odd hours of the day & night, but it is very fulfilling.

ARES coordinators can be located via your local American Radio Relay League (ARRL) representative. If you cannot find her/him, go to the League's web site at: **www.arrl.org** and search for ARES. While you're there, you might want to join the ARRL. They are the Amateur's voice in Congress. There are also many opportunities available to further your knowledge of Amateur radio.

Sadly, many ARES Hams in Texas were recently engaged to enable communications in the search for debris and remains of the STS Orbiter Columbia earlier this year. In Texas, many government (local and federal) radios don't cover the wide open spaces that Amateur repeaters do cover.

Ask a Friend

Another good source of help will be your friends that have been on the air for a good while. They'll be able to fill in the gaps for you when you have questions. Just remember, they (we) have been further down the road you've just started down. Remember too, that not all experienced Hams will give you the same answers. EVERY Ham has a different answer, so ask around. If you run across a sourpuss or two (and you will), keep trying, it will be worth it.

Thanks for all the feedback and suggestions. I saw a lot of familiar faces at the Charlotte Hamfest, and appreciated your kind words. Feel free to write me at w4htx@aol.com with any comment, question, or constructive criticism. Until next time, we're listening! ■

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New Call and Repeaters

Greetings all! I am very proud to announce my new vanity call, KK4EJ. The call was previously held by a very good friend, Frank Strough of Wytheville. Frank left us way too soon, and is still missed by many in the area. We were very good friends, spent many hours on 2 meters, as well as several fun afternoons in his shack, building, repairing, and designing... I hope by having his call, his memory will remain, not just for me, but to others as well. I traded a fine steak dinner with Frank for installing a 2 meter antenna on his car. Before I drilled the hole in the roof, he had to leave, not sure if I was kidding or not about it coming thru the headliner, and being center of the roof... But it turned out fine, and he was very happy with it. Friendships are one of the best parts of the hobby.

In past articles, I mentioned building repeaters. For many reading, you have a repeater built and running, but others may be just getting started. I hope to pass along ideas that can help, and maybe improve your operations.

First, lets talk about the radio being considered for a repeater. Most every repeater I know of in my area is either a GE MAster II or Motorola Micor. These two are some of the easiest, most reliable radios ever built! The internet has numerous sites covering the conversion from business band to ham band, so I won't go into details about them here.

I do want to talk about HOW you interface to these radios. I inherited a 440 machine several years ago. It was built by others, but its service always lacked in my opinion. It was a Master II, but butchered in many ways. I don't fully understand WHY some things were done, but here are MY suggestions on a very EASY way to build a machine:

1. Use the control cable and control head for interface to the controller. Almost every signal - PTT, audio, squelch, etc. - are found in the control head. Coil the extra cable up and tie it down, out of the way. You have local mic, volume, squelch, and speaker ready. I use a cable, soldered to the various points inside the control head, then out to the connector for the controller. Simple and easy! One BIG advantage is you can use STOCK cables and control head at the workbench to service the repeater, and a replacement radio is simple as unhooking the cable and swapping the radio package.

2. Solder the power connections. Somewhere in this world is a pile of bad crimp connectors, all waiting to find their way into my life! I use the crimp-on connectors, then follow it by soldering them. You'll never have a problem again! I actually solder every crimp connector.

3. Power supplies. I use Astron supplies, and they work really nice. On any supply, open it up and check the 110 VAC plug. Astrons use a 3 pin type, used on a computer, and have a built in fuse too. I've found a lot of these use a pin prong, pressed into a plate for connection. These work fine, but will corrode and arc, causing intermittant power. Repair is simple: solder these points! I also solder the crimp lugs on the filter caps, rectifier leads, and all high current connections. A few minutes now saves trouble later!

4. Coax. Ive found several repeater problems coming from poor cable connections between the duplexor and radio. The connections here should be good quality, double shielded coax, run as short as possible. Yes, RG-58 works, but you can have alot of desense! Also, use the right connector instead of the adaptors. I had a intermittant RX problem being caused by a SO-239 to BNC male that acted up only on warm days. Go ahead and put the Type-N on, pull off the adaptor, and you'll even gain a few tenths of a dB too!

5. Fuse. A friend had a repeater that worked fine for a while, then would shut down, blowing the fuse. He had a 30 amp supply on a MICOR. The fuse was a 20 amp, and would blow often. He was convinced it was a PA problem. The in-line fuse holder was the problem. It connected to the rear of the power supply by 6 inches of 18 guage wire, then 6 inches out of the holder, butt spliced into the 8 guage main power lead. The 18 guage wire was getting hot, melting the solder inside the fuse, letting it open. I replaced the inline holder with a panel mount, soldered with 8 guage wire, and problem cleared. Those pesky inline holders often just crimp on too!

6. Cabinet. If at all possible, build the repeater in some type of cabinet. It will be much nicer to work on, show off, and clean by being orderly. I use surplus GE cabinets for mine. The covers help control dust and temperature, and look more professional. I know of a club that was kicked out of a broadcast site because the repeater was just a pile of wires and junk, I still don't understand how it ever worked! Also, I make wiring diagrams of anything I connect. That makes replacing a controller very easy.

7. Controller. The world is full of repeater controllers offering every gizmo, speech, magic controls, and link options. I know of several machines where the controller talks more than the users! Simple is better. Basic, simple controls is all that is needed. I have to admit my interest in PIC's lately have been whetted by building my own controller! Choose wisely, understanding that once the repeater is running, and the bugs are removed, you don't really change that much......unless you just like to play! It's your money, but do you really need all those gadgets????

8. Duplexer. Before you burn out the PA again, or replace the receiver again, have a check on those duplexers. I check my business stuff about every other year. I've found corrosion, bad connectors, and loose cables. A tracking generator is very nice, but simple checks will often find problems. Check your power into and out of the duplexer, receive sensitivity before and after the duplexer, and after lightning hits, maybe check for visible arcs.

A reliable repeater that stays on the air will be remembered. Before picking a radio for conversion, does it work on the business band? Some radios will not work as a repeater! Look over the internet, you'll see what works nice. There are even websites devoted to building repeaters.

There are many more items I'll get into in later issues, and future articles will cover the Aerotron MEGA I've been playing with. I enjoy building items and learning, and based upon the feedback from many of you, I'm not alone. I hope to hear from you. Questions and comments are always welcome; complaints and critics welcome too. This hobby is a lot of fun, and not always expensive......

See you next time.......Randy KK4EJ

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RJ

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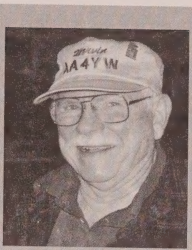

Who was that Masked Man ?

How long has it been since you imagined yourself in Sherwood Forest with Robin Hood and his Merry Men? Or maybe it was Zoro? Or perhaps robbing railroad trains with Jesse James. Have you ever thought of how many of our folk heroes were really criminals? Our modern fiction still glorifies clever (and witty) Jewel Thieves who frustrate bumbling police. Captain Kirk never shined brighter than when he ignored Star Fleet Command and went off on his own. Every modern hero at some point in his adventure disregards his direct orders. Does that mean that most of us are criminals at heart? I don't really think so, but it seems clear that almost everyone likes to see authority bashed once in a while.

Would you believe that I am basically an authoritarian? I believe that democracy can be easily overdone. I believe in the chain of command and that the person in charge should be in charge. My family was never a democracy, nor were any of the organizations under my responsibility. And when my boss told me to do something obviously dumb, I felt it my responsibility to express my concerns - one time. If he assured me that he wanted it that way, my response was always, "Yes, Sir."

The down side of this is that every leader (so far) has been human, and humans are subject to some unfortunate human limitations. An old adage goes: "Power corrupts and absolute power corrupts absolutely." I've never heard of a leader who thought he was corrupted. Perhaps the closest admission would go something like: "I am essential to the success of the cause, so whatever is good for me is good for the cause." Several dictators come to mind. A milder but much more common form goes: "I have a unique perception of the needs of the group, so if I get my way the group will prosper." I think that any leader that doesn't have a healthy dose of this is going to be a poor leader. As we approach closer, however, we look at this "unique perception" and wonder if the power of his position has clouded his perception of just how clear his perception is.

In amateur radio we have an array of organizations each of which has a chain of command and a fairly rigid structure that is not overly degraded by democracy. While my comments are broadly valid (I think), the National Traffic System is what I know most about. The ultimate tyrant is the NCS (net control station) who calls the net, checks people in and out at his pleasure, sends people off if he pleases, changes frequency as he wishes, lets people talk or not at his whim, and generally does anything he wants. When his net is in session, no one outranks him: like the captain of a ship, neither the admiral nor the Queen of the Fairies can countermand him. The next time around there may, however, be a different NCS, because the organization of the net is the responsibility of the Net Manager who, at his whim, hires and fires NCS's and generally sets the tone and procedures of the net. But to keep his job the, Net manager must please the Section Traffic Manager who, in turn, keeps his position at the pleasure of the Section Manager who was elected by

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his section (state) to serve. Guidance gets aphoristic as one ascends the ethereal heights.

In practice, in the field, one finds most procedures rooted in tradition, even though some of the traditions are of dubious origin and antiquity. In North Carolina, for instance, it is a tradition to deny hams with call sign suffixes starting with letters above tango access to voice nets until the net is mostly over, or at least until all of the more privileged hams are checked in. Although this tradition may have originated in North Carolina it is not universally practiced there and seems more common among Net Control Stations recently initiated. New traditions are springing up all the time.

A common error among those who institute traditions is to presume that a given action will have the anticipated result. We come by this honestly. You must remember the document that starts out, "We, the People of the United States, in Order to form a more perfect Union..." Well, that continental congress did adopt that constitution which did become the law of the land. They could do that. But their presumed result was flawed since in less than four score and seven years the "perfect Union" was in fragments and had to be mended by force of arms. A government may pass a law that says, "...all automobile manufacturers must provide air bags ...," and expect that to happen. But when the law also says, "... and this will save lives," it has stepped out of bounds. This may or may not happen since it depends upon natural laws beyond the reach of mortals, even those in high government places. If your intentions are noble and your heart is pure, how could you go wrong? Alas, the ways abound.

Our legislators are constantly passing laws and restrictions intended to achieve particular results, yet a little study will show how rarely the consequences are those desired and how often undesirable consequences emerge. Anyone who has worked in engineering research and development appreciates the uncertainty of making an innovative change to a system. In physical or chemical systems there is a good body of theory to serve as a guide, yet disappointment is common and success is exceptional. Any theory available to our legislators or our managers is of the softest sort generally based on uncorrelated, spurious observations of myopic participants. The problem is compounded by ambiguity in criteria where the question has not been asked: "is this what you really want to happen?" The manager may say what changes are to be instituted and may expect general acceptance, but from that point it is in God's hands and only He knows whether the results will be desirable.

So we identify with the renegade who has the guts to defy authority. We look at the way that authority has structured our world, and though we accept it and cope the best we can, we see recurrences of silly rules and practices that needle us. We would like to turn the whole mess topsy-turvy and make it more to our hearts desire. We can't do that, but we can pull for that gallant Cat Burglar in that movie and hope that in the end he gets away with it. ■

Nostalgic Wavelengths

DAVID BOWER K4PZT
P.O. BOX 10145
KNOXVILLE, TN 37939
(865) 670-1503

Six Meter Stations In The 1950s and 60s

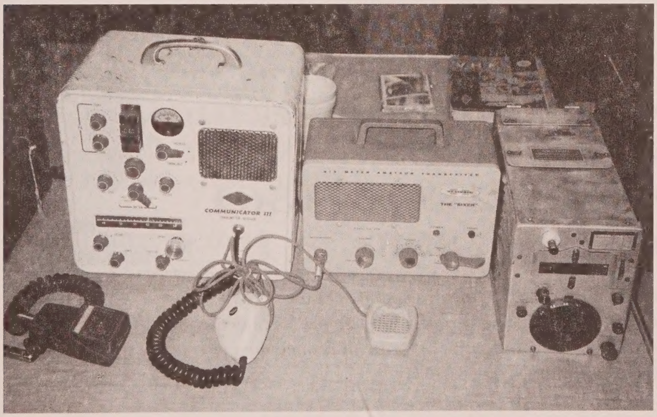
The Six Meter Band was very popular in the 1950s and 60s, both as a band for local communication and for DX. This was the period before FM repeaters, and hams used efficient stations and antenna systems to extend (and enhance) their communication range. AM was the most common mode used, although SSB was beginning to make a dent on six meters with transceivers such as Clegg Venus.

Six Meters later gained the popular name of the "Magic Band" because it supported so well different modes of propagation and, in addition, held so many surprises as new communication records were being achieved, often with simple equipment operating at low power levels. Hams using a 3 or 4 element Yagi with 10-15 watts of input power were typically working great distances using Sporadic E skip as the sunspot cycle started to wane and longer haul F2 was becoming more rare. During the late 1950s and early 60s, hams were working double hop E skip across the country with signal levels above S-9. Some even achieved remarkable results using the 5-watt Heathkit Sixer with a simple beam antenna. A ham friend of mine in East Tennessee used a simple home brew 1/4 watt transceiver to work Cuba from his front yard using TV Rabbit Ears for an antenna!!

Hams frequently took two approaches regarding equipment for a six-meter station. The first approach used a conventional HF receiver with a converter for six-meter reception, and a separate six-meter transmitter. The transmitter was often home built to save money. The second method involved a self-contained transceiver such as the Heathkit Sixer, Gonset Communicator or Lafayette HE-45. Hams who operated mobile on six meters also used transceivers such as these along with the popular "Halo" antenna. Some said it looked like a basketball hoop.

For this article, let's look at the first approach using several individual pieces of equipment with other components. It was really like designing a six-meter station using a "systems" concept because of the wide diversity of components available.

Many hams started with their existing HF receiver, and either purchased or constructed a converter for six meters. The most popular IF (In-



Some common equipment for 6 in the 60's: Gonset Communicator III, Heathkit Sixer, ARC 5 (military transmitter used as VFO).

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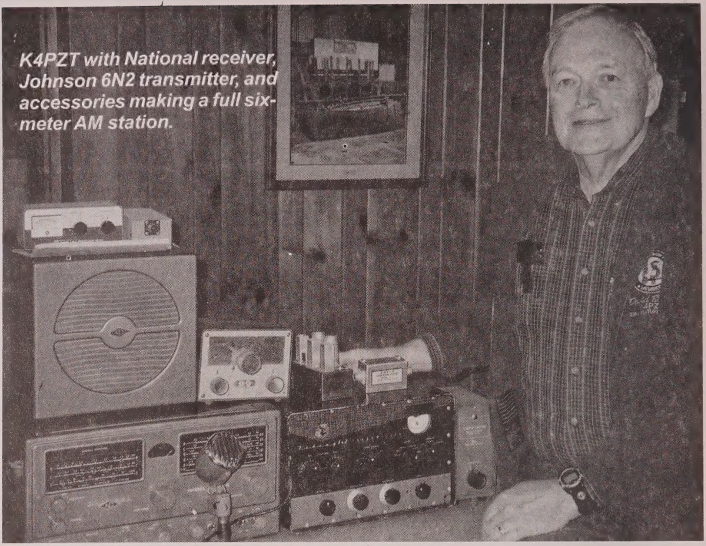
termediate Frequency) utilized the 7-11 Mcs range of the receiver. The converter used a crystal oscillator operating on 43 Mcs; beating the 50 Mcs signal with the 43 Mcs oscillator frequency, resulting in 7.0 Mcs on the receiver dial. Popular converters included those manufactured by the International Crystal Manufacturing Company (FCV-2), the Ameco CB-6 (conventional tubes), or the improved, higher cost Nuvistor Ameco CN-50.


K4PZT with National receiver, Johnson 6N2 transmitter, and accessories making a full six-meter AM station.

The FCV-2 and Ameco converters required external power, so this had to be provided separately. At this stage, the ham had his receiving capability in place at least from the equipment standpoint. Next, the six-meter hobbyist would start looking for a suitable transmitter. One of my high school ham buddies used a Harvey Wells TBS-50D. Others that were popular included the Johnson Viking 6N2 (pictured with this article), that also covered two meters. Many constructed their own transmitter using popular RF tubes such as the 6146 and 2E26. For those wanting HF and six meters, Knight made the T-150 with 100 watts input on six using a pair of 6146s.

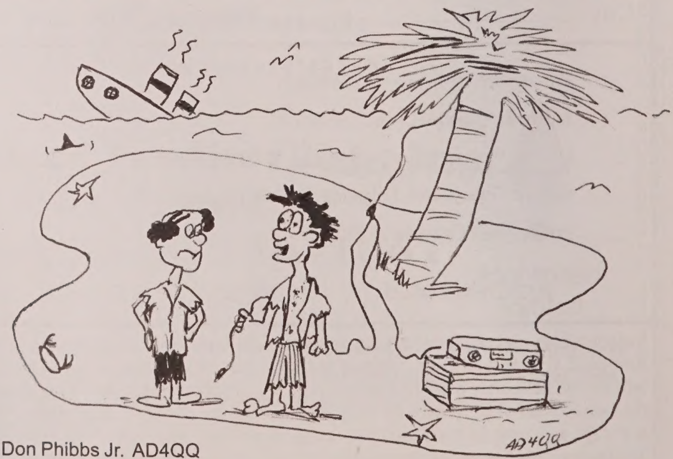
Some of transmitters, such as the Johnson Viking 6N2, also required a separate power supply. A number of the transmitters were crystal control, so a separate VFO was handy for those wanting more “frequency flexibility.” The National VFO (pictured) was a nice unit. Hams often modified WW-II ARC-5 transmitters (pictured) covering the 8 Mcs range for VFOs. Basically, one of the two 1625 RF output tubes was removed (to reduce the power), and a regulated power supply was constructed for stability. The power supply I built used a VR tube, providing a well-regulated (stable) DC output to minimize drift.

With the equipment in place, it was next necessary to connect the various components using coax and control/power cabling. To switch the antenna coax between the transmitter and receiver, a popular accessory was the Dow Key coaxial relay. The model with external contacts also allowed the transmitter and receiver to be “switched” and the speaker to be muted. Other items included the antenna position control box for the rotator, microphone (I bought mine from Lafayette for under $ 5.00) and a cw key (the J-38 was popular). Another item every station had was a log book. Back then, you had to log all transmissions. Hams desiring to improve their receive capability acquired Nuvistor preamps such as the one made by Ameco, or constructed their own using low noise tubes like the 417A manufactured by Western Electric. And the most important item, the antenna, was crucial. One of my ham friends in East Tennessee had a “monster” 11 element wide-spaced Yagi up about 100 feet, and on a regular basis worked “ground wave” up to Pittsburgh, PA with S-8 signals.

Serious VHFers strived to optimize their station with the best receiver and converter combination, low loss coaxial cable, the highest gain antenna affordable, and by erecting the antenna as high as practical. If you couldn’t hear them, as was said, you couldn’t work them. With an “optimized” receiving capability, getting the transmitter power up to legal limit was the next path to take. Some purchased linear amplifiers, and others constructed their own.

In looking back almost half a century ago, serious six meter hams really stretched the capability of what was then possible and some set records communicating on the “Magic Band”—often exceeding distances with low power that, at the time, were not considered possible. It was sure a great time to be on Six Meters. ■

OK, my end’s up. Tie yours off somewhere.



Don Phibbs Jr. AD4QQ

THE SERA OFFICIAL REPEATER INDEX

REPEATER LISTINGS FOR: GEORGIA ■ KENTUCKY ■ MISSISSIPPI ■ NORTH CAROLINA ■ SOUTH CAROLINA ■ TENNESSEE ■ VIRGINIA ■ WEST VIRGINIA

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SERA will not be responsible for incorrect or omitted listings. The responsibility of correct listings is that of the actual repeater owner or sponsor. SERA makes every effort to keep the index as accurate as possible with information provided. The SERA ***Repeater Journal*** repeater lists contain certain repeaters which are NOT or have not been coordinated by SERA, or are not operating according to recognized frequency utilization plans. SERA does not necessarily condone or recognize such repeaters as being legal or illegal. They are listed in our indexes primarily to keep our readers informed of all repeaters known in the areas served by The SERA.

Some repeater owners or sponsors allow voice as well as other functions on their machine. Operators should check with owners for additional information about what is allowed, and what features are available. Digital Repeaters with normal input/output (pairs) are listed in the regular FM repeater index. Digital systems operating simplex are not coordinated by SERA and are not on our repeater lists. The *codes* column contains the tone or access code for those repeaters which the owner or trustee has given us written permission and asked that we publish them . Access tones are listed for the reader's convenience both in the By-State, and the By-Frequency listings.

Entries with "#" in front of city indicates repeaters added to this index that have not been coordinated through the local SERA state coordinator. Owners may work with their coordinator to get this indicator removed. Repeaters that have been coordinated but may not yet be on the air yet are listed with "PROP" in the codes column. Owners should notify SERA when on the air.

Repeater owners are reminded to contact their local Frequency Coordinator for assistance in coordination, changes in their listings, or any other requirements. All SERA services are FREE. It is very important that the annual SERA repeater datasheet, sent to all known repeater operators, be accurately updated each year and returned to SERA.

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	147.405*	147.420*	147.435*	147.450*	147.465*	147.480*	147.495*
	147.510	147.525	147.540	147.555	147.570	147.585	
222 MHz	223.400	223.420	223.440	223.460	223.480	223.500#	223.520
	223.540	223.560	223.580	223.600	223.620	223.640	
440 MHz	445.825	445.875	445.900	445.925	445.950	445.975	446.000#
	446.025	446.050	446.075	446.100	446.125	445.150 (Not all listed)	

* Permitted for Voice Simplex use unless operation would cause interference to repeater inputs. Be aware that SERA coordinates some of these frequencies as repeater inputs in some areas.
# - Designated National Simplex Frequencies.

SERA RECOMMENDED DIGITAL SIMPLEX CHANNELS

2 Meters:	144.390#	144.910	144.930	144.950	144.970	144.990	145.010
	145.030	145.050	145.070	145.090	145.510	145.530	145.550
	145.570	145.590	145.610	145.630	145.650	145.670	145.690
	145.710	145.730	145.750	145.770			
222 MHz.	223.660	223.680	223.700	223.720	223.740	223.760	223.780
440 MHz	440.9125	440.9250	440.9375	440.9500	440.9675	440.9750	440.9875
	441.0000	441.0125	441.0375	441.0500	441.0625	441.0750	441.0875
	441.1000	441.1125	441.1375	441.1500	441.1625	441.1750	

222 MHz:
Hi Speed Digital Chan. - 222.350 to 222.450 (222.400 Center) - (100 KHz wide)
Hi Speed Digital Chan. - 223.800 to 223.900 (223.850 Center) - (100 KHz wide)

NOTE: Digital operators are reminded to check with their local Digital organizations as to which channels are available for various digital usage in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage. #144.39 Generally Accepted APRS channel

SERA JOURNAL REPEATER LISTINGS BY STATE - BY CITY

Listings Correct as of April 20, 2003

PLEASE NOTE: CTCSS Tone Frequencies are listed for repeaters only if the repeater sponsors request they be listed. Tone access listing does not indicate a closed repeater.

GEORGIA

10 METERS

CONYERS	AI8H	29.680	-		J
DALTON	N4BZJ	29.680	-		☺
#MACON	KF4XH	29.620	-	UNCOR	
MONROE	KQ4XL	29.620	-		
VALDOSTA	KB0Y	29.680	-	T141.3	
WARNER ROBINS	WR4MG	29.660	-		

6 METERS

ATL/MARIETTA	KD4DKW	53.090	-	T151.4	
ATLANTA	KA5WZY	53.150	-		☺
AUGUSTA	W4WTA	53.030	-		☺
BISKEY MT.	KC4JNN	53.050	-	T100.0	☺
BOLINGBROKE	KR4OL	53.430	-		
CARTERSVILLE	WB4AEG	53.070	-	T123.0	☺
COCHRAN	W3LAP	53.010	-	PROP	☺
CONYERS	WB4JEH	53.550	-	T151.4	☺
#CONYERS	WB4JEH	51.550	+	UNCOR	☺
CRAWFORD	KD4FVI	53.330	-	T88.5	
#CUMMING	WA4YNZ	51.700	-	UNCOR	
DALTON	N4BZJ	53.130	-		☺
DECATUR	KA4UFM	53.390	-	T	
HIAWASSEE	KC4CBQ	53.270	-	186.2	
IVEY/MACON	K4YC	53.730	-	T88.5	☺
KINGSLAND	KC5BMJ	51.940	-	T82.5	☺
LAKE PARK	KB0Y	53.890	-	T141.3	☺
LAWRENCEVILLE	W4GR	53.110	-	82.5	☺
LULA	WB4HJG	53.890	-	T82.5	☺
#MACON	KF4XH	53.390	-	UNCOR	
MARIETTA	N1KDO	53.210	-	T79.7	☺
MARIETTA	KF4BMG	53.250	-	T79.7	
#PINE LOG MT	WD4OVN	53.450	-	UNCOR	☺
#PINE LOG MT.	K4PLM	53.290	-	UNCOR	
#ROSWELL	WA4YNZ	53.010	-	UNCOR	
WARNER ROBINS	WR4MG	53.790	-		
WATKINSVILLE	KD4AOZ	53.570	-	T123.0	☺

2 METERS

ADAIRSVILLE	K4NGA	146.685	-		☺
ALBANY	W4MM	146.700	-		☺
ALBANY	W4MM	146.730	-		☺
ALBANY	W4MM	146.820	-		☺
ALLENHURST	KF4ZUR	147.270	+	162.2	
AMERICUS	W4VIR	147.270	+		
ASHBURN/TIFTON	W4PVW	147.285	+	T141.3	☺
ATHENS	KD4QHB	146.745	-		☺
ATHENS	KD4AOZ	146.955	-	T123.0	☺
ATHENS/CRAWFRD	K4TQU	147.375	+	127.3	☺
ATL/UNION CITY	W4ZT	146.625	-	100.0	☺
ATLANTA	W4IBM	145.290	-	T88.5	☺
ATLANTA	W4DOC	145.350	-	T146.2	☺
ATLANTA	K4LCI	145.430	-		
#ATLANTA	WB4QGR	146.640	-	UNCOR	
ATLANTA	W4DOC	146.820	-	T146.2	☺
ATLANTA	K4CLJ	146.970	-	T	☺
ATLANTA	WA4NNO	147.000	-		
ATLANTA	WB6RTH	147.105	+	107.2	☺
ATLANTA	KA5WZY	147.285	+		☺
ATLANTA/AIRPORT	W4REI	147.030	+		
ATLANTA/BELL	W4PME	145.410	-	100.0	☺
ATLANTA/MARIETTA.	N4NFP	146.655	-	T151.4	
ATLANTA/MARIETTA.	N4NEQ	147.345	+	151.4	
ATLANTA/SWEAT MT	KD4NC	146.730	-		
AUGUSTA	KK4HL	145.110	-		
AUGUSTA	W4DV	145.290	-	T100.0	☺
AUGUSTA	AA4UA	145.370	-		
AUGUSTA	K4KNS	145.410	-		☺
AUGUSTA	W4DV	145.490	-		☺
AUGUSTA	KT4N	146.940	-		
AUGUSTA	K4KNS	146.985	-	100.0	☺
AUGUSTA	N4BMA	147.180	+		
#AUSTELL	K4JPD	147.195	+	UNCOR	
BACONTON	K4TWG	145.150	-	PROP	
BAINBRIDGE	KE4RWR	147.090	+	PROP	
BALDWIN	WD4NHW	147.180	+		☺
BARNESVILLE	W8JI	147.225	+		☺
BGMRC/NEWMAN	K4SEX	145.130	-		
#BLACK ROCK MT	KE4SNT	147.390	+	UNCOR	
BLAIRSVILLE	KE4RQT	146.955	-	T100.0	☺
BOGART	W4EEE	147.000	+	T	☺
BONAIRE	KD4HMH	145.470	-	T	
BONAIRE	K4EDN	147.015	+	T82.5	☺
BOSTON	W4UCJ	147.195	+		☺
BRUNSWICK	K4TVE	146.730	-		
CALHOUN	K4WOC	146.745	-	T100.0	☺
CARROLLTON	W4FWD	146.640	-	T131.8	☺
CARTERSVILLE	N4GIS	147.015	-	100.0	☺
CEDARTOWN	W4CMA	147.120	+		☺
CHATSWORTH	N4YYD	145.250	-	T71.9	
CLARKESVILLE	K4HCA	147.120	+		☺
CLAXTON	W4CLA	147.075	+		
CLEVELAND	WB4HIG	146.910	-		☺
COCHRAN	N4MXC	145.110	-	T107.2	
COCHRAN	W3LAP	147.330	+	T77.0	☺
COLBERT	N4ALE	147.300	+		☺
COLUMBUS	W4FIZ	145.310	-	T123.0	☺
COLUMBUS	W4CVY	146.610	-	T	☺
COLUMBUS	W4CVY	146.880	-		
#COMMERCE	KF4ADI	147.225	+	UNCOR	
CONYERS	WB4JEH	145.230	-	T151.4	☺
CONYERS	WB4JEH	146.610	-	T151.4	☺
CONYERS	KF4GHF	147.210	+	T162.2	☺
CORDELE	WR4SG	145.230	-	T141.3	☺
CORDELE	KA4WUJ	145.490	-	T103.5	☺
COVINGTON	WA4ASI	146.925	-		
COVINGTON	KF4GHF	147.270	+	T162.2	☺
CUMMING	WB4GQX	147.150	+		☺
DAHLONEGA	N4KHQ	146.835	+	T100.0	☺
DALLAS	W4RPO	146.850	-		
DALLAS	WD4LUQ	146.895	+	T77.0	☺
DALTON	W4DRC	145.230	-		☺
DALTON	N4BZJ	147.135	+	T118.8	☺
DARIEN	WA4EPK	146.685	-		
DECATUR	W4BOC	145.450	-		☺
DOERUN	KG4ABK	147.225	+	PROP	
DOUGLAS	KE4ZRT	147.045	+	141.3	☺
DOUGLAS	KE4ZRT	147.165	+	T141.3	☺
DOUGLAS	AD4EQ	147.315	+	T141.3	☺
DOUGLASVILLE	KR4HV	145.110	-	T88.5	☺
DOUGLASVILLE	W4SCR	147.360	+	T88.5	☺
DUBLIN	WA4HZX	147.360	+		☺
EASTMAN	KC4RRO	145.210	-		
EASTMAN	KF4ODQ	145.330	-	T77.0	
EATONTON	KC4YHM	147.090	+	T179.9	☺
ELBERTON	N4UJT	146.625	-		
ELLIJAY/TALONA M	KC4ZGN	146.985	-	T77.0	
EMERSON	AE4JO	147.240	+	T103.5	☺
FAYETTEVILLE	WA4EPK	145.210	-	131.8	
FAYETTEVILLE	K4KZY	146.685	-		
FOLKSTON	KD4GEY	146.790	-		
FORSYTH	W4STJ	147.315	+	88.5	☺
GA TECH	W4AQL	145.150	-	167.9	☺
GAINESVILLE	W4CBA	145.190	-	PROP	☺
GAINESVILLE	W4ABP	146.670	-	T131.8	☺
GRIFFIN	K4HYB	145.390	-	T88.5	☺
GRIFFIN	K4HYB	146.910	-		☺
HARTWELL	N4VNI	146.895	-	T100.0	☺
HAWKINSVILLE	WR4MG	146.895	-	T107.2	
HINESVILLE	KG4OGC	147.015	+		☺
IRWINTON	WB4NFG	147.240	+	T77.0	
IVEY	K4YC	145.250	-	T	☺
IVEY/MACON	K4YC	145.150	-	77.0	☺
JASPER	KB4IZF	145.370	-	T100.0	☺

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

GEORGIA REPEATERS CONTINUE

JASPER	K4UFO	146.700	-		☺
JASPER	KC4AQS	146.805	+	T100.0	☺
JESUP	WA4EQL	145.190	-		☺
JESUP	WA9RNZ	145.430	-	T118.8	☺
JESUP	N4ZON	146.865	-	T123.0	☺
JESUP	N4PJR	146.925	-	T141.3	☺
JESUP/SCREVEN	N4PJR	147.345	+		
JONESBORO	WA4DIW	145.170	-		☺
JONESBORO	WA4OGE	145.330	-		
KIBBEE	K4HVK	146.820	-	T	☺
KINGSLAND	KC4WWU	147.285	+	T118.8	☺
LAFAYETTE	KB4VAK	147.375	+	T77.0	
LAGRANGE	KD4BWK	146.700	-	T141.3	
LAGRANGE	WB4BXO	147.330	+		
LAKE PARK	WR4SG	147.135	+	T141.3	☺
LAVONIA	K4NVG	146.715	-	T100.0	☺
LAWRENCEVILLE	W4GR	147.075	+	82.5	☺
#LINCOLNTON	KT4N	147.120	+	UNCOR	
LOOKOUT MT	W4GTA	145.350	-	T100.0	☺
LOOKOUT MT.	W4RRG	146.760	-	T67.0	☺
MACON	W4BKM	145.370	-	T88.5	☺
MACON	AA4RI	145.430	-		☺
MACON	WR4DH	146.730	-	T100.0	☺
MACON	K4PDQ	146.805	-	T77.0	☺
MACON	N3SM	146.895	-	T123.0	
MACON	WA4DDI	147.060	+	T	☺
#MACON	KF4XH	147.165	+	UNCOR	
MADISON	WB4DKY	146.865	-	T179.9	☺
MADRAS	N4OME	147.165	+	T131.8	☺
MARIETTA	W4LMA	145.490	-	88.5	☺
MARIETTA	N4NEQ	146.775	-	T151.4	
MARIETTA/ATLANTA	W4BTI	146.880	-	T100.0	☺
MILLEDGEVILLE	WB4DOJ	146.700	-	T67.0	
MILLEDGEVILLE	K4GK	147.135	+	T123.0	
MORGANTON	N4NEQ	147.165	+	T151.4	
MOULTRIE	WD4KOW	146.790	-		☺
NASHVILLE	KB4JF	145.310	-	T141.3	
NEWNAN	K4SEX	146.790	-		
OCILLA	KD4MFS	145.350	-		
PEMBROKE	KF4DG	147.105	+		
PEMBROKE	W4CJB	147.390	+		
PERRY	WR4MG	145.290	-	T107.2	
PERRY	WR4MG	146.955	-	107.2	
PINE MT/HAMILTON	WB4ULJ	145.190	-		
QUITMAN	WA4NKL	146.880	-		☺
RICEBORO	KG4OGC	145.470	-		☺
RINGGOLD	W4ABZ	146.715	-	T67.0	
ROME	WB4YSV	147.300	+		
ROME/MT. ALTO	W4VO	146.940	-	88.5	☺
ROSWELL	N4CLA	147.060	+		
SANDERSVILLE	KT4X	145.270	-	T77.0	☺
SAVANNAH	K4NLX	146.700	-		
SAVANNAH	K4SDJ	146.850	-		☺
SAVANNAH	W4HBB	146.880	-		
SAVANNAH	W4HBB	146.970	-		
SAVANNAH	WA4IDS	147.150	+		
SAVANNAH	K4NLX	147.210	+		
SAVANNAH	K4NLX	147.330	+		
SNELLVILLE	KR4NQ	147.255	+	T107.2	☺
SPRINGFIELD	AF4VH	146.745	-	PROP	
ST SIMONS ISLAND	N4XGI	145.330	-	T131.8	☺
STOCKBRIDGE	WA4JDR	145.310	-		☺
STONE MT	W4BOC	146.760	-	T107.2	☺
SUMMERVILLE	W4RLP	147.225	+	100.0	☺
SWAINSBORO	K4VYX	146.790	-		
SWEAT MT/MARIETT	N4CLA	145.470	-		
THOMASTON	W4OHH	147.390	+	131.8	☺
THOMASVILLE	W4UCJ	147.060	+		☺
THOMSON	KC4GSS	146.835	-		☺
TOCCOA	N4MTN	147.330	+	PROP	☺
UNADILLA	WR4MG	146.760	-	T107.2	
VALDOSTA	WR4SG	145.130	-	T141.3	☺
VALDOSTA	KF4BJM	146.760	-	141.3	
VIDALIA	K4HAO	146.625	-		☺
WALESKA/PNLG MT	KB4GDS	145.270	-	100.0	☺
WARM SPRINGS	KN4FE	146.985	-		
WARNER ROBINS	WA4ORT	146.850	-		
WARNER ROBINS	WB4BDP	147.180	+	107.2	☺
WARNER ROBINS	WR4MG	147.300	+	107.2	
WATKINSVILLE	KD4AOZ	147.045	+	T123.0	☺
WAYCROSS	AE4PO	146.640	-	T141.3	
WAYCROSS	AE4PO	147.255	+	T141.3	☺
WAYNESBORO	K4BR	145.230	-		
WRENS	KB4NA	146.775	-		
WRIGHTSVILLE	WA4RVB	146.940	-		☺
YOUNG HARRIS	K2YRW	147.090	+		☺

220 MHZ

ACWORTH/ATL	N4MTA	224.320	-	T123.0	
ACWORTH/ATL	N4MTA	224.500	-	T123.0	☺
ALPHARETTA	NX9O	224.580	-	100.0	
ALPHARETTA	KC4JNN	224.860	-	T100.0	☺
ATLANTA	W4DOC	224.340	-		☺
ATLANTA	KK4C	224.820	-	T77.0	
#ATLANTA-NE	KC4OVY	224.200	-	UNCOR	☺
ATLANTA/BELL	W4PME	224.620	-	100.0	☺
ATLANTA/MARIETTA	N4NFP	224.120	-	T151.4	
ATLANTA/MARIETTA	N4NEQ	224.440	-	T151.4	
ATLANTA/MARIETTA	K4RFL	224.960	-	T100.0	☺
AUGUSTA	WB4KXO	224.940	-		☺
BISKEY MTN	KC4JNN	224.160	-	T100.0	☺
CEDARTOWN	KC4KLW	224.780	-	T179.9	
CLAYTON	W4UWH	224.720	-	PROP	
CONLEY	N4MNA	224.280	-		☺
#CONYERS	WB4JEH	224.020	-	UNCOR	☺
CUMMING	K4JSR	224.980	-		
DAHLONEGA	N4RBT	224.380	-	T100.0	☺
DALLAS	N4YDX	224.180	-		
DALLAS	N4YEA	224.540	-		☺
DALLAS	W4TIY	224.700	-		☺
DALTON	N4BZJ	224.360	-	T	☺
DALTON	N4BZJ	224.460	-	T118.8	☺
DALTON	N4BZJ	224.680	-		☺
DALTON	N4KVC	224.740	-	T	☺
#DECATUR	W4BOC	224.760	-	UNCOR	☺
EATONTON	K4SWS	224.100	-	PROP	
FT MT/CHATSWTH	N4YYD	224.240	-	T71.9	
GAINESVILLE	W4TL	224.840	-	T203.5	☺
HAWKINSVILLE	WR4MG	224.820	-	PROP	
JASPER	KC4AQS	224.400	-	T100.0	☺
JASPER	W4UWH	224.600	-	100.0	
JERSEY	WA4SSJ	224.800	-	T103.5	☺
LOOKOUT MT	W4RRG	224.560	-	T	☺
LOOKOUT MT.	W4RRG	224.640	-		☺
MARIETTA	KE4QFG	224.260	-	T110.9	☺
MARIETTA	W4LMA	224.900	-		☺
PINE LOG MTN	KE4AIS	224.520	-		☺
RAY CITY	KB0Y	224.220	-	PROP	☺
SNELLVILLE	W4CSX	224.920	-	T100.0	
VALDOSTA	KB0Y	224.460	-	T141.3	☺
VILLA RICA	KB4TIW	224.300	-	T131.8	
WALESKA	KD4ALC	224.140	-		
WALESKA	KB4GDS	224.940	-		☺
WARNER ROBINS	WR4MG	224.840	-		
WATKINSVILLE	KD4AOZ	224.420	-	T123.0	☺
YORKVILLE	WD4LUQ	224.880	-	T77.0	☺
YOUNG HARRIS	NP2Y	224.660	-	PROP	

440 MHZ

ACWORTH	KC4YNF	441.800	+	T77.0	☺
ALBANY	W4MM	444.500	+		☺
ALPHARETTA	WB6RTH	442.000	+	107.2	☺
ATHENS	AA4AI	442.950	+	T179.9	☺
ATHENS	WW4GA	443.300	+	T	☺
ATHENS/CRAWFORD	KC4GZX	444.300	+	T127.3	
ATL/MARIETTA	N4NFP	442.800	+	T	
ATL/UNION CITY	W4ZT	442.125	+	PROP	
ATLANTA	W4CML	442.025	+	T127.3	☺
#ATLANTA	WB6RTH	442.225	+	UNCOR	☺
ATLANTA	N4XQM	442.525	+	T110.9	☺
ATLANTA	KE4PVE	442.675	+	T100.0	☺
ATLANTA	WA4YNZ	442.975	+	T	
ATLANTA	W4CML	443.025	+	T127.3	☺
ATLANTA	KA5WZY	443.600	+	T146.7	☺
ATLANTA	W4CML	443.650	+	PROP	☺
ATLANTA	KD4LXT	443.875	+		
ATLANTA	W4DOC	444.450	+	T146.2	☺
ATLANTA	KD4GPI	444.500	+	T110.9	☺
ATLANTA	W4DOC	444.825	+	T146.2	☺
ATLANTA	WA4NNO	444.925	+		
ATLANTA	WA4YNZ	444.975	+	T	
ATLANTA/BELL	W4ZTL	421.250	+		☺
ATLANTA/BELL	W4PME	444.150	+	T100.0	☺
ATLANTA/GLENRI	WR4CW	444.100	+	PROP	
ATLANTA/MARIETTA	K4RFL	442.875	+	T100.0	☺
ATLANTA/MARIETTA	N4NFP	443.800	+	T151.4	
ATLANTA/MARIETTA	N4NEQ	444.050	+	T151.4	
ATLANTA/MARIETTA	N4NEQ	444.775	+	151.4	
AUGUSTA	KD4BOO	444.900	+		☺
BALDWIN	WD4NHW	442.350	+		☺
BARNESVILLE	N4GWO	443.675	+		
BISKEY MTN	KC4JNN	443.250	+	T100.0	☺
BLAIRSVILLE	KF4SKT	442.200	+		
BLUERIDGE	KD4GRU	442.125	+	146.2	
BOGART	W4EEE	443.475	+	T	☺
BONAIRE	K4EDN	444.625	+	T82.5	☺
BRUNSWICK	KD4CPO	443.425	+		
BRUNSWICK	K4TVE	444.975	+		
BYRON	KF4XH	443.150	+		
BYRON	WB4SBT	444.700	+	T103.5	☺
CALHOUN	WB4QMJ	443.675	+	PROP	
CANTON	WA4EOC	443.075	+	PROP	
CARROLLTON	W4FWD	444.075	+	T131.8	☺
CARTERSVILLE	N4GIS	443.175	+		☺
CEDARTOWN	KD4NTF	443.575	+	T107.2	☺
CHATSWORTH	W4DRC	443.000	+		☺
CLAYTON	W1CP	442.825	+	T162.2	☺
CLERMONT	W4TL	444.950	+	T131.8	☺
COBB COUNTY	WC4RAV	443.450	+	T103.7	
COCHRAN	W3LAP	442.875	+	T77.0	☺
COCHRAN	N4MXC	444.775	+	PROP	
COCHRAN	W3LAP	444.975	+	77.0	☺
COLUMBUS	WB4ULK	441.975	+	PROP	
COMMERCE	KF4ADI	441.975	+	PROP	
CONCORD	WB4GWA	443.400	+	118.8	
CONYERS	WB4JEH	442.550	+	T151.4	☺
CONYERS	KB2DZA	443.725	+	T77.0	
CONYERS	WB4JEH	444.550	+	T151.4	☺
CONYERS	KC4ELV	444.750	+	T162.2	☺
CORNELIA	K4JLG	444.275	+	T100.0	☺
COVINGTON	K4GO	443.750	+	T146.2	
COVINGTON	KE4PVE	444.175	+	T100.0	
COVINGTON	WA4ASI	444.800	+	T88.5	
CULLODEN	KE4BB	444.275	+	T123.0	
CUMMING	WB4GQX	441.900	+	T141.3	☺
CUMMING	WA4BPY	442.575	+	T79.9	☺
CUMMING	W4CBA	444.625	+	T123.0	☺
#CUMMING	WA4YNZ	444.975	+	UNCOR	
DACULA	KK4IN	443.550	+		
DAHLONEGA	N4KHQ	443.100	+	100	☺
DAHLONEGA	N4KHQ	444.900	+		☺
DALLAS	W4CSX	441.925	+	T162.2	
DALLAS	W4TIY	443.700	+		☺
DALLAS	WD4LUQ	444.700	+	T77.0	☺
DALTON	N4BZJ	442.175	+	T118.8	☺
DALTON	N4BZJ	444.500	+	T118.8	☺
DALTON	N4BZJ	444.850	+		☺
DANIELSVILLE	KE4FHN	442.650	+	T	
DECATUR	N3APR	442.200	+		
DECATUR	KA4UFM	443.950	+	T110.9	
DECATUR	W4BOC	444.250	+		☺
DOUGLAS	KE4ZRT	443.000	+	T141.3	☺
DOUGLASVILLE	W4SCR	444.575	+	T88.5	☺
DUBLIN	KD4FOC	442.600	+	T77.0	
DUBLIN	KD4IEZ	443.025	+	T156.7	
EATONTON	K4SWS	442.425	+	PROP	
EATONTON	KC4YHM	442.925	+		☺
ELLIJAY	KC4ZGN	442.700	+	T77.0	☺
ETOWAH VALLEY	AE4JO	443.425	+	T103.5	☺
FAYETTEVILLE	W4PSZ	444.600	+	T77.0	
FLOWERY BRANCH	K4VJM	442.775	+	PROP	
FLOWERY BRANCH	K4RHJ	443.900	+	T100.0	☺
FOLKSTON	KD4GEY	444.475	+		
FT. MT/CHATSWTH	N4YYD	443.350	+	T71.9	
GAINESVILLE	W4ABP	442.625	+	T131.8	☺
#GAINESVILLE	WA4DB	444.200	+	UNCOR	
GAINESVILLE	W4CBA	444.350	+	PROP	☺
GRAY	K4MDS	443.625	+		
GREENSBORO	N4YXL	444.850	+	PROP	
GRIFFIN	KF4QLF	441.850	+		☺
GRIFFIN	KE4WLP	443.550	+		
HAMILTON	WB4ULJ	444.400	+		
HAPEVILLE	KC4ENL	442.825	+	T167.9	
HELEN	K4PE	444.425	+	T127.3	
HIAWASSEE	KC4CBQ	444.675	+	186.2	
HIGH PT/LOOKT MT	KB4VAK	443.450	+	T77.0	
HINESVILLE	KG4OGC	444.850	+	PROP	☺
HOGANSVILLE	KC4YNY	444.300	+	PROP	
IRWINTON	WB4NFG	444.925	+	T77.0	
IVEY	K4YC	443.200	+	T88.5	☺
IVEY	K4YC	444.650	+	T	☺
JASPER	N3DAB	442.750	+	T141.3	☺
JASPER	KC4AQS	443.375	+	T100.0	☺
JASPER	KB4MDE	443.425	+		
JASPER	KF4OYP	443.625	+	T100.0	
JASPER	KB4IZF	444.375	+	T103.5	☺
JERSEY	WA4SSJ	443.575	+	PROP	☺
JESUP	N4PJR	444.925	+	T141.3	☺
JONESBORO	WA4DIW	443.225	+		
KINGSLAND	KC5BMJ	444.625	+	T118.8	☺
KNOXVILLE	N4PQR	443.525	+	PROP	
LAKEMONT	N4ZRF	444.750	+	T	
LAVONIA	K4NVG	442.475	+	T203.5	☺
LAWRENCEVILLE	WB4HJG	442.850	+	T82.5	☺
LAWRENCEVILLE	KF4RLZ	442.900	+	PROP	
LAWRENCEVILLE	WB4QDX	444.000	+	T127.3	☺
LAWRENCEVILLE	W4CML	444.025	+	T127.3	☺
LOOKOUT MT	W4RRG	442.650	+	T100.0	☺
LOOKOUT MT.	W4RRG	442.475	+	T67.0	☺
LULA	WB4HJG	444.400	+	T71.9	☺
MABLETON	W4JLG	442.325	+	T	☺
MACON	AF4UL	442.000	+	PROP	
MACON	K4DDH	442.275	+	T100.0	☺
MACON	W4MAZ	442.700	+	PROP	
#MACON	WX4EMA	443.075	+	UNCOR	
MADRAS	K4HAC	442.250	+	T141.3	☺
MARIETTA	N1KDO	442.050	+	T107.2	☺
MARIETTA	KE4QFG	442.375	+	T	
MARIETTA	WA4OKJ	442.600	+	T100.0	
MARIETTA	N4MTA	443.500	+		☺
MARIETTA	KF4BMG	444.325	+	T79.7	
MARIETTA/ATL	KE4QFG	442.725	+	T	
MARLOW	W1MED	442.475	+	PROP	
MCDONOUGH	KE4UAS	444.875	+	T82.5	☺
MONROE	KQ4XL	443.925	+	T123.0	
MOULTRIE	W1BPP	444.625	+	T123.0	☺
NEWNAN	K4NRC	441.875	+	T156.7	
NEWNAN	KE4PVE	444.350	+	PROP	
NORCROSS	K4HUM	442.100	+	T100.0	☺
PEACHTREE CITY	AB4KN	442.500	+	T77.0	
PEMBROKE	AF4MI	441.800	+	T123.0	
PENDERGRASS	KE4PVE	444.125	+	PROP	
PERRY	WR4MG	444.950	+		
PINE LOG MT	KD4APP	443.200	+	T103.5	
QUITMAN	WA4NKL	444.600	+	T127.3	☺

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
# and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

GEORGIA REPEATERS CONTINUE

REX	KB4NPO	443.975	+	PROP	
RINGGOLD	KW4KW	442.300	+	PROP	
RINGGOLD	W4BAB	443.925	+		
ROCKMART	KC4KLW	443.275	+	T179.9	
ROME	KA4MLK	441.825	+	T100.0	
ROME	KC4KLW	443.525	+	T179.9	
ROSWELL	W8BLA	442.075	+	T	
#ROSWELL	WA4YNZ	442.975	+	UNCOR	
ROSWELL/BELL	N4SE	442.150	+	T100.0	☺
ROSWELL/BELL	W4PME	443.150	+	100.0	☺
SANDY SPRINGS	KE4OKD	441.950	+	T156.7	
SAVANNAH	K4NLX	421.250	+		
SAVANNAH	WA4VHP	427.250	+	T	☺
SAVANNAH	K4NLX	442.700	+		
#SAVANNAH	WD4AFY	444.000	+	UNCOR	
SMYRNA	N4IBW	444.650	+		
SNELLVILLE	W4CML	442.450	+	T	
SNELLVILLE	NE1H	443.050	+	T	
SNELLVILLE	W4GR	444.525	+	82.5	☺
ST SIMONS ISLAND	N4XGI	442.950	+	T131.8	☺
STATHAM	WW4T	442.300	+	T	☺
STOCKBRIDGE	KG4PUW	443.125	+	PROP	
STOCKBRIDGE	N4JMD	443.325	+	T	
STONE MTN	KD4HPD	443.825	+	T123.0	
SUGAR HILL	N4YF	443.775	+	T82.5	☺
SUGAR VALLEY	K4WOC	441.850	+	PROP	
SUMMERVILLE	KS4QM	444.725	+	T123.0	☺
SWEAT MT/MARIETT	N4CLA	444.475	+		
TIFTON	KE4RJI	444.875	+	T	☺
TYRONE/PTC	KN4YZ	444.675	+	T77.0	
VALDOSTA	WR4SG	444.350	+	T141.3	☺
VALDOSTA	KF4BJM	444.700	+	T141.3	
VIDALIA	KE4PMP	442.500	+	T88.5	☺
#WALESKA	KD4DXR	441.350	+	UNCOR	
#WALESKA	K4PLM	443.850	+	UNCOR	
WARM SPRINGS	N4UER	442.400	+		
WARNER ROBINS	WR4MG	442.900	+		
WATKINSVILLE	KD4AOZ	444.725	+	T123.0	☺
WAYCROSS	AE4PO	444.025	+	T141.3	☺
WOODSTOCK	KE4SJO	444.225	+		

920 MHZ

ATLANTA	KG4LMT	927.500	-	223.0	
LAWRENCEVILLE	N8EKA	927.687	-	141.3	☺
#SAVANNAH	WA4VHP	923.000	-	UNCOR	☺
VALDOSTA	KB0Y	927.487	-	PROP	☺

1270 MHZ

ATLANTA/BELL	KB4KIN	1292.000	-		☺
ATLANTA/MARIETTA	N4NEQ	427.250	+		
DALTON ATV	N4BZJ	421.250	+		☺

KENTUCKY

10 METERS

BUCKHORN LAKE	K4XYZ	29.620	-	103.5	☺
INGLE	KA4UHL	29.680	-	PROP	
LOUISVILLE	KK4CZ	29.640	-		☺

6 METERS

ASHLAND	KC4QK	53.010	-	T107.2	☺
BUCKHORN LAKE	K4XYZ	53.730	-	PROP	☺
DORTON	WR4AMS	53.350	-	PROP	
HAZARD	K4TDO	53.850	-		
HIGHLAND HEIGHTS	AD4CC	53.330	-	123.0	
HIGHLAND HEIGHTS	W4YWH	53.750	-	PROP	☺
LAGRANGE	WB4WSB	53.950	-	PROP	
LAWRENCEBURG	N4EQT	53.130	-	T107.2	
LEXINGTON	KE4LGL	53.570	-		
LONDON	KE4ZJT	53.910	-	T100.0	☺
LOUISVILLE	KF4UAQ	53.290	-		
LOUISVILLE	N7BBW	53.430	-	T151.4	☺
LOUISVILLE	WB4LBR	52.025	+		
NANCY	KA4UHL	53.270	-	T100.0	☺
NICHOLASVILLE	N4ALG	53.090	-	PROP	
#STANTON	WD4KNE	53.810	-	UNCOR	
WAYNESBURG	KE4RKF	53.390	-	T100.0	☺
WILLIAMSBURG	KB4PTJ	53.070	-	T100.0	

PLEASE NOTE

The Repeater Journal lists subtones used on repeaters ONLY if they are requested to be listed by the sponsor or owner. The listing of a subtone on any repeater does not in any way indicate it being a "Closed" repeater. Generally in most cases, the tones are used to eliminate noise problems and are listed at the owners request for users convenience.

2 METERS

ALLEN	K4ICN	147.300	+	T123.0	☺
#ARTEMUS	N4INT	147.390	+	UNCOR	
ASHLAND	K4GEC	146.940	-		
ASHLAND	KC4QK	147.240	+	T107.2	☺
ASHLAND	WA8KWH	147.330	+		
BARBOURVILLE	KF4CME	147.135	+	100.0	
BARDSTWN/NELSN	WB4GGH	145.470	-	151.4	☺
BEREA	KF4OFT	146.715	-	100.0	☺
BLACK MOUNTAIN	KB4DFK	147.210	+	T103.5	☺
BOWLING GREEN	WA4GOZ	146.625	-	PROP	
BOWLING GREEN	K4LOL	147.060	+	156.7	☺
BOWLING GREEN	W4WSM	147.165	+		☺
BOWLING GREEN	KA4CFW	147.330	+		☺
BOWLING GREEN-SO	W4WSM	146.655	-		☺
BROOKS	KY4KY	146.700	-	T151.4	☺
BUCKHORN LAKE	K4XYZ	147.375	+	T103.5	☺
CADIZ	KT4SH	147.195	+	103.5	☺
CANE VALLEY	WA4UXJ	146.640	-		☺
#CENTRAL CITY	WF4N	145.390	-	UNCOR	
CORBIN	WD4KWV	146.610	-		☺
COVINGTON	WR8CRA	147.390	+	T123.0	☺
CRESTWOOD	KF4TOL	147.390	+	T151.4	
DANVILLE	WD4DZC	146.655	-		☺
DAVID	KC4KZT	145.310	-	T	☺
DAWSON SPRINGS	KF4CWK	147.090	+	T103.5	
#DIXON	N4IOX	147.255	+	UNCOR	
DORTON	KC4KZT	146.895	+	T141.3	☺
DRAKESBORO	KF4DKJ	146.820	-	T	
ELIZABETHTOWN	W4BEJ	146.980	-		
ELKTON	KA4NNE	146.805	-	100.0	☺
FARMINGTON	W4GZ	147.240	+	T91.5	☺
FLEMINGSBURG	KF4BRO	146.955	-	T107.2	☺
FLORENCE	K4JBV	146.895	-	100.0	
FRANKFORT	N4EQT	147.105	+	T107.2	
FRANKFORT	KC4AI	147.240	+	T100.0	
FRANKLIN	KE4SZK	147.135	+	PROP	
GEORGETOWN	KF4NTQ	146.685	-	107.2	☺
GLASGOW	KY4X	146.940	-	114.8	
GRAYSON	KD4DZE	146.700	-	107.2	☺
GREENVILLE	WA4TTC	146.745	-		
GRETHEL	KJ4VF	147.045	+	T100.0	
HALLS GAP	W8PRH	145.170	-		☺
HARLAN	WA4ZAC	147.105	+		☺
HAZARD	KF4SJO	146.670	-		☺
HAZARD	W8PRH	146.805	-		☺
HENDERSON	W4KVK	145.490	-		
#HENDERSON	K4DPP	146.970	-	UNCOR	
HIGHLAND HEIGHTS	W4YWH	146.790	-	123.0	☺
HIGHLAND HTS.	K4CO	147.255	+	T123.0	☺
#HODGENVILLE	W4LJM	147.315	+	UNCOR	☺
HOPKINSVILLE	KF4FO	146.710	-		
HOPKINSVILLE	KD4ULE	147.030	+	T103.5	☺
HUEYSVILLE	K4NLT	145.470	-	T79.7	☺
HYDEN	KF4TLT	147.240	+	186.2	☺
IRVINE	W4CMR	146.820	-	192.8	☺
IRVINE	AD4RU	147.015	+		
JACKSON	WA4MXO	145.410	-		☺
#JONATHAN CREEK	N4SEI	146.985	-	UNCOR	
LAWRENCEBURG	N4EQT	145.390	-	T107.2	
LEBANON	WD4JZH	147.345	+	T151.4	
LEBANON JCT.	KD4YGK	147.150	+	PROP	☺
LEESBURG	KC4UPE	145.110	-	T192.8	☺
LEXINGTN/GRGTWN	W8PRH	145.210	-		☺
LEXINGTON	AD4YJ	145.250	-	110.9	
LEXINGTON	WB4CWF	145.490	-		
LEXINGTON	AC4AO	146.730	-		☺
LEXINGTON	K4KJQ	146.760	-		☺
LEXINGTON	WA4HBM	147.165	+		☺
LEXINGTON	KJ4VF	147.195	+		
LITCHFIELD	KY4SP	147.225	+	179.9	
LONDON	KE4ZJT	147.180	+	T151.4	☺
LONDON	KC4ZFH	147.285	+	T	
LOUISA	N8QCW	147.390	+	127.3	☺
LOUISVILLE	KG4CCW	145.150	-	141.3	
LOUISVILLE	W8PRH	145.230	-		☺
LOUISVILLE	AC2DC	145.290	-	T151.4	
LOUISVILLE	KK4CZ	145.410	-	151.4	☺
LOUISVILLE	W4PF	146.880	-		
LOUISVILLE	W4PJZ	147.030	+	151.4	☺
LOUISVILLE	N4MRM	147.070	+	T151.4	
#LOUISVILLE	KA4KMT	147.120	+	UNCOR	
LOUISVILLE	W4CN	147.180	+	88.5	☺
LOUISVILLE	WB4EJK	147.270	+	151.4	
LOUISVILLE	KQ9Z	147.360	+		
LOUISVILLE AREA	N4UL	145.130	-	T151.4	
LYNN GROVE	KA4BLZ	146.895	-	T210.7	
MADISONVILLE	KC4FRA	146.610	-		☺
#MARION	KA4FGA	147.285	+	UNCOR	
MAYSVILLE	KF4BRO	145.470	-	T107.2	☺
MIDDLESBORO	W4PPM	146.775	-		
MILLARD	KD4RTR	146.745	-	T141.3	
#MONTECELLO	WB9SHH	146.395	+	UNCOR	☺
MONTICELLO	KY4JW	145.150	-		☺
MOREHEAD	KJ4VF	145.130	-	T100.0	
MOREHEAD	K4GFY	146.910	-	T123.0	
#MT. STERLING	WD4KNE	147.330	+	UNCOR	
MURRAY	K4MSU	146.940	-	T91.5	☺
NANCY	KA4UHL	146.790	-	T100.0	
#NEBO	AA4NI	146.730	-	UNCOR	
OWENSBORO	N4WJS	146.685	-	110.9	☺
OWENSBORO	AD4MU	146.865	-		
OWENSBORO	K4HY	147.210	+	110.9	☺
OWINGSVILLE	N4TLP	147.075	+		
PADUCAH	K4CUW	146.655	-	T	☺
PADUCAH	K4CUW	146.760	-		
PADUCAH	W4NJA	147.060	+	103.5	☺
PAINTSVILLE	N4KJU	145.270	-	T	☺
PARIS	KE4OOS	147.045	+	PROP	
PHELPS	KJ4YK	147.090	+		☺
PIKEVILLE	AD4BI	145.150	-	107.2	☺
PIKEVILLE	KM4IV	146.850	-		
PRESTONSBURG	WB4UBY	147.165	+		☺
PRINCETON	W4KBL	145.230	-	103.5	
PRINCETON	W4KBL	146.670	-		
#PROVIDENCE	N4IUI	147.330	+	UNCOR	
RADCLIFF	AI4HB	145.350	-	173.8	
RADCLIFF	W4BEJ	146.925	-		
RICHMOND	KE4YVD	145.370	-	T192.8	☺
RICHMOND	KG4AEU	146.865	-	192.8	
ROCKFIELD	KG4FEJ	145.450	-	136.5	
ROCKPORT	KD4BOH	145.270	-	77.0	☺
SALEM	KC4VXR	147.315	+		
SALVISA	KF4AWA	146.835	-	T192.8	☺
SALYERSVILLE	KB4SQI	145.190	-	T127.3	☺
SANDY HOOK	KF4WMM	147.135	+	T107.2	
SHELBYVILLE	KE4LR	147.000	+		☺
SO. PORTSMOUTH	KC8FKP	145.390	-	136.5	
SOMERSET	KA4UHL	146.880	-	77.0	☺
SPRINGFIELD	WA4SJH	147.300	+		
ST. CHARLES	KE4AIE	147.270	+		☺
STANTON	N4VOS	145.290	-		
STANTON	W8PRH	146.970	-		☺
STINETT	KF4TLT	147.345	+	PROP	
TOMPKINSVILLE	KJ4OG	146.775	-		☺
VANCEBURG	AE4SK	146.775	-		☺
VERSAILLES	KF4INN	145.330	-		
WADDY	KS4TO	146.910	-	T107.2	
WALTON	K4CO	147.375	+	123.0	☺
WEBSTER	K4ULW	146.625	-	T151.4	
WEST LIBERTY	KG4GQC	145.230	-	107.2	
WILLIAMSBURG	KG4M	147.000	+		
WINCHESTER	WB4ASZ	147.120	+		☺

220 MHZ

ASHLAND	KC4QK	223.940	-		☺
BUCKHORN LAKE	K4XYZ	224.460	-	PROP	☺
DORTON	WR4AMS	224.520	-		☺
GARRETT	K4NLT	224.260	-	PROP	☺
HAZARD	WR4AMS	224.820	-		
IRVINE	AD4RU	224.940	-		
LANCASTER	KD4RXF	224.560	-		
LAWRENCEBURG	N4EQT	224.900	-	T107.2	
LEXINGTON	AC4AO	224.420	-		☺
LEXINGTON	KR4BD	224.800	-		☺
LONDON	WR4AMS	224.980	-		
LOUISVILLE	KA4MKT	224.300	-		
LYNCH	K4TDO	224.320	-	PROP	
META	WR4AMS	224.380	-	PROP	
MIDDLESBORO	WM4MD	224.120	-	T82.5	
NANCY	KA4UHL	224.100	-	T100.0	☺
PIKEVILLE	WB4F	224.580	-		
PIKEVILLE	KD4DAR	224.620	-		☺
PRESTONSBURG	WR4AMS	224.720	-	PROP	
SHEPHERDSVILLE	N4FND	224.500	-	T151.4	☺
SOMERSET	N4AI	224.300	-		☺
SOMERSET	N4AI	224.880	-		☺
VERSAILLES	AD4CR	224.220	-		

440 MHZ

ALLEN	N4IWZ	444.775	+	T123.0	☺
#ASHLAND	KC8ERN	444.750	+	UNCOR	
ASHLAND	KC4QK	444.975	+	T107.2	☺
BARDSTOWN	KT4GB	443.000	+		☺
BEATTYVILLE	KC4UPE	444.825	+	T192.8	☺
BEAVERLICK	KC4COV	443.475	+	T131.8	
BOWLING GREEN	W4HTB	426.250	+		☺
BOWLING GREEN	W4WSM	444.100	+		☺
BOWLING GREEN	WB4JM	444.700	+	T136.5	☺
BROOKS	KY4KY	443.700	+	151.4	☺
BRUSHY FORK	KF4WMM	444.600	+	88.5	
BUCKHORN LAKE	K4XYZ	443.400	+	103.5	☺
BURLINGTON	KD4EVB	443.525	+	T107.2	☺
CANE VALLEY	W4LJM	443.950	+	T	☺
CORBIN	KF4IFC	444.275	+	79.7	☺
CORBIN	WB4IVB	444.900	+	T100.0	
COVINGTON	KC4COV	444.175	+	T131.8	
COX'S CREEK	AE4NU	443.450	+	T151.4	☺
DAVID	KC4KZT	443.900	+	T167.9	☺
DAWSON SPRINGS	KU4MJ	444.275	+		
DORTON	KD4RTR	442.150	+	167.9	
DORTON	KJ4VF	443.250	+		
DRY RIDGE	KD4EVB	444.425	+	T118.8	☺
ELIZABETHTOWN	W4BEJ	421.250	+		
ELIZABETHTOWN	W4BEJ	444.800	+		
ELKHORN CITY	KD4RTR	444.300	+	167.9	
FALMOUTH	KD4EVB	443.825	+	T107.2	☺
FLATWOODS	KZ4G	443.450	+	PROP	
FLORENCE	KC4COV	443.175	+	T131.8	

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

KENTUCKY REPEATERS CONTINUE

FORT WRIGHT	KY4DJ	441.850	+	PROP	
FORT WRIGHT	KY4JD	442.525	+	T123.0	☺
FOSTER	KU4ML	443.125	+		
FRANKFORT	K4NGQ	442.175	+	T67.0	
FRANKFORT	WA4CMO	443.325	+		
FRANKLIN	KD4TAH	443.225	+		
GARRETT	KF4JJD	442.400	+	79.7	☺
GEORGETOWN	KF4NTQ	443.625	+		
GILBERTSVILLE	W2HR	442.850	+	T103.5	
GLASGOW	KY4X	444.925	+		
GLASGOW/CVCTY	KF4DC	444.250	+		
GRAEFENBURG	N4HZX	443.550	+		☺
GRETHEL	KJ4VF	444.525	+		
HARLAN	KD4CDX	442.625	+	PROP	
HAWESVILLE	KB4QFL	444.625	+		
HAZARD	K4TDO	443.975	+	103.5	
HENDERSON	KY4K	444.725	+	T203.5	
HIGHLAND HEIGHTS	W4YWH	444.900	+	123.0	☺
HOPKINSVILLE	KE4AIF	444.750	+	T103.5	☺
HORSECAVE	KF4QZN	444.850	+	PROP	
HUDSON	KY4SP	444.900	+	179.9	
INDEPENDENCE	KB8SBN	444.075	+	T110.9	
IRVINE	W4CMR	442.900	+		☺
IRVINE	AD4RU	444.000	+		
LATONIA	AA4XV	442.400	+	T	
LAWRENCEBURG	N4EQT	443.925	+	T107.2	
LEWISPORT	K4DC	444.550	+		☺
#LEXINGTON	KY4ATV	923.250	-	UNCOR	☺
LEXINGTON	KD4ADJ	442.050	+		
LEXINGTON	KE4OOL	443.025	+	T123.0	
LEXINGTON	KB8QLC	444.125	+	88.5	
LEXINGTON	KC4DUU	444.550	+		☺
LEXINGTON	KE4ISR	444.725	+	T	
LEXINGTON	N4DUE	444.950	+		☺
LOUISVILLE	N4ORL	442.000	+		
LOUISVILLE	KB4RYM	442.500	+		
LOUISVILLE	WD4ELX	442.550	+		
LOUISVILLE	KB4YJ	442.725	+	151.4	
LOUISVILLE	WD9EQC	443.500	+		
LOUISVILLE	N4KWT	443.975	+	PROP	
LOUISVILLE	N4UL	444.100	+	173.8	
LOUISVILLE	KG4JNM	444.300	+	156.7	
LOUISVILLE	N4NMC	444.600	+	T151.4	
LOUISVILLE AREA	N4RBL	442.100	+	T	
LOUISVILLE AREA	KD4CLR	442.450	+	T151.4	
LOUISVILLE SW	K4ULW	443.350	+		
MADISONVILLE	KC4FIE	442.425	+		☺
MADISONVILLE	AE4LW	442.575	+	T100.0	
MADISONVILLE	KC4FIE	442.775	+		
MADISONVILLE	KC4FIE	444.600	+		☺
MAMMOTH CAVE	KF4QZN	444.475	+	T179.9	
MANCHESTER	KD4GMH	444.500	+	PROP	
MARION	KR4PF	444.200	+	T100.0	
MAYSVILLE	KF4BRO	443.500	+	T123.0	☺
META	WB4UBY	443.500	+		☺
MIDDLESBORO	WM4MD	442.325	+	T67.0	
MIDDLESBORO	KD4PBC	443.150	+	PROP	
MIDDLESBORO	WB4IVB	444.150	+	T100.0	
MILLARD	KD4RTR	443.425	+		
MONTICELLO	WB9SHH	444.750	+		☺
MOREHEAD	K4GFY	442.500	+	T	
MORGANTOWN	KF4QZN	444.425	+	T179.9	
MT STERLING	KD4ADJ	442.600	+		
MURRAY	K4MSU	443.800	+	T110.9	☺
NANCY	KA4UHL	443.600	+	T100.0	☺
NEBO	AA4NI	444.850	+		
NICHOLASVILLE	KC4UPE	444.775	+	T167.9	☺
NICHOLASVILLE	WB4CWF	444.975	+		
OLIVE HILL	KO4LI	444.925	+		
OWENSBORO	N4WJS	443.100	+	T110.9	☺
OWENSBORO	N4WJS	443.650	+	110.9	☺
PADUCAH	KD4DVI	443.000	+	179.9	
PAINTSVILLE	N4KJU	441.525	+	127.3	☺
PHELPS	N4MVY	444.575	+		☺
PIKEVILLE	KD4RTR	444.200	+		
PIKEVILLE	KD4DAR	444.375	+		☺
PIKEVILLE	AD4BI	444.475	+		☺
PRESTONSBURG	K4AVY	443.825	+	127.3	☺
RICHMOND	KE4ISW	444.625	+	192.8	☺
RINEYVILLE	KF4RBD	444.225	+	PROP	
ROBINSON CREEK	KC4VYX	444.675	+		☺
ROCKPORT	KD4BOH	442.675	+	77.0	☺
ROCKPORT	KD4BOH	444.075	+	T77.0	☺
RUSSELLVILLE	KD4TAH	442.350	+	PROP	
SALEM	KC4VXR	444.825	+	T100.0	
SALVISA	KF4AWA	444.675	+	T203.5	☺
SALVISA	KC4UPE	444.875	+	T167.9	☺
SALYERSVILLE	KE4NLL	444.050	+	T127.3	
SHELBYVILLE	KE4YRE	442.375	+		
SHEPHERDSVILLE	KD4YGK	444.400	+	T203.5	☺
SIMPSONVILLE	KO4OT	444.450	+	T100.0	☺
SPRINGFIELD	WA4SJH	444.600	+		
STANTON	N4VOS	442.075	+		
VERSAILLES	KF4INN	443.775	+		
WADDY	KS4TO	443.225	+		
WALTON	K4CO	444.350	+	123.0	☺
WAYNESBURG	AG4TY	442.975	+	PROP	
WEBSTER	KY4SP	441.525	+		
WILLIAMSBURG	KB4PTJ	444.050	+	100.0	
WITHAMSVILLE	KC4COV	444.400	+	T131.8	

920 MHZ

LEXINGTON	KA4KMG	927.725	-	PROP	

MISSISSIPPI

10 METERS

BAY SAINT LOUIS	KB5MPW	29.640	-	T136.5	

6 METERS

BAY SAINT LOUIS	KB5MPW	53.650	-	T136.5	
ELLISVILLE	N5EKR	53.010	-	T	
JACKSON	W5PFC	53.470	-	PROP	
#LAUREL	KC5PIA	53.450	-	UNCOR	☺
NETTLETON	AB5MU	53.050	-	192.8	

2 METERS

ABBEVILLE	WB5VYH	145.470	-	T107.2	
ABERDEEN	WB5USN	147.270	+		☺
ACKERMAN	NO5N	147.120	+		
AMORY	KB5DWX	146.940	-	T192.8	☺
AMORY	KB5DSN	147.090	+		
BAY ST. LOUIS	WB4FUR	146.700	-		
BILOXI	KC5IF	146.730	-		
BILOXI	K5TYP	146.790	-		
BOONEVILLE	K5YD	145.190	-	110.9	☺
BOONEVILLE	KI5WI	147.150	+		
BUDE	K5JMD	146.850	-	T103.5	
BYHALIA	N4DRL	145.350	-		☺
CHATAWA	WB5GOJ	145.310	-		
COLLINS	N5LRQ	146.985	-	T136.5	☺
COLUMBIA	N5YNY	147.195	+	T136.5	☺
COLUMBIA	N5LJC	147.285	+	PROP	
COLUMBUS	KC5ULN	146.625	-		☺
COLUMBUS	KC5ULN	147.000	+		☺
CORINTH	???	146.925	-	T107.2	
CORINTH	K5UFH	147.000	-		
CORINTH	KB5TGA	147.285	+		☺
D'IBERVILLE	KC5IF	145.410	-		
ELLISVILLE	N5EKR	146.955	-	T	
ELLISVILLE	N5DWU	146.865	+	T136.5	☺
ELLISVILLE	N5DWU	146.895	+	T136.5	☺
FLORENCE	KD5AXY	145.110	-	T	☺
FOREST	KC5QHP	147.390	+	T100.0	☺
#FRENCH CAMP	W5BJT	147.225	+	UNCOR	
FULTON	WX5P	145.450	-		☺
GLOSTER	KX5E	145.430	-	T136.5	
GREENVILLE	KG5SF	147.345	+		
GREENWOOD	KA5TQY	146.715	-		
GRENADA	W5LV	146.700	-		☺
GULFPORT	KA5VFU	147.375	+		
HATTIESBURG	W5CJR	145.190	-	T136.5	
HATTIESBURG	K5IJX	145.370	-	136.5	
HATTIESBURG	K5PN	146.775	-	T136.5	
HATTIESBURG	W5CJR	147.360	+		
HERNANDO	K5VV	146.910	-		
ISOLA	KC5OB	146.955	-		
IUKA	WB5MFK	146.850	-		
JACKSON	KB5KGE	145.390	-		
JACKSON	W5AXQ	146.760	-		☺
JACKSON	K5QNE	146.880	-	T100.0	☺
JACKSON	KA5SBK	146.940	-	100.0	☺
JACKSON	W5IQ	147.000	+	T	☺
JACKSON	NC5Y	147.075	+	T	
KILN	K5DMC	145.330	-		
KOSCIUSKO	W5LWC	146.850	-		
LAUREL	W5LAR	146.610	-		☺
LAUREL	WV5D	147.030	-	T	
LAUREL	KC5RC	147.255	+		
LOUISVILLE	KC5QGC	147.360	+		
LUCEDALE	WA5JZL	146.910	-		
MADISON	K5XU	146.640	-		☺
MAGEE	K5HYE	146.820	-	100.0	☺
MAGEE	KA5LNY	147.300	+		☺
MCCOMB	K5JMD	146.940	-	T	
MENDENHALL	KB5IKR	145.210	-	T100.0	
MERIDIAN	KC5ZZH	146.655	-		☺
MERIDIAN	W5FQ	146.700	-		☺
MERIDIAN	KI5FW	146.970	-	100.0	☺
MONTICELLO	N5JHK	147.015	+		
MOOREVILLE	WB5NAY	146.640	-		
MORTON	KB5LCL	147.045	+	T141.3	
NATCHEZ	W5KHB	146.685	-		
NATCHEZ	K5OCM	146.910	-	91.5	
NATCHEZ	K5SVC	147.360	+	100.0	☺
#NEW ALBANY	KC5VZI	145.230	-	UNCOR	
NEW ALBANY	W5UBG	146.670	-		
#NEW ALBANY	KC5VZI	146.745	-	UNCOR	☺
NEW HEBRON	N5MRS	147.090	+	T	
OCEAN SPRINGS	W5LDD	147.030	+		☺
PASCAGOULA	KE5SJ	146.880	-		
PASCAGOULA	N5PH	146.970	-	T	
PEARL/RANKIN CO	KF5IZ	147.150	+	T88.5	
PELAHATCIE	W5PPB	147.240	+	T77.0	☺
PHILADELPHIA	N5EPP	147.330	+		
#PICAYUNE	KE5LT	145.150	-	UNCOR	☺
PONTOTOC	WB5NAY	147.380	+		
PORT GIBSON	KE5WO	146.625	-		
PURVIS	KB5ZCX	146.670	-		
RICHTON	N5OCF	147.060	+	T	
SENATOBIA	KB5DMT	146.985	-	T107.2	
SHARON	W5PPB	145.450	-	T77.0	☺
SOUTHAVEN	N5PYQ	145.370	-	T107.2	
STARKVILLE	KD5GVU	146.730	-	210.7	☺
STARKVILLE	KF5C	146.805	-	192.8	
#SUMNER	WB5FXH	147.090	+	UNCOR	
TUPELO	N5VGK	145.490	-		
TUPELO	N5ELS	147.240	+		
UNION	N5SPJ	147.210	+	T100.0	
UTICA	N5ZMZ	145.350	-		
UTICA	KC5TGT	146.730	-	T77.0	
UTICA	N5ZMZ	147.345	+		
VANCLEAVE	W5WA	145.110	-	123.0	☺
#VANCLEAVE	KE5TL	147.000	-	UNCOR	
VICKSBURG	WJ5L	145.290	-		☺
#VICKSBURG	K5IMT	146.805	-	UNCOR	
VICKSBURG	K5ZRO	147.270	+	T100.0	☺
VOSSBURG	KB5UIX	147.135	+	136.5	
WALLS	N5NBG	145.270	-	T162.2	
WATER VALLEY	N5DXM	147.000	-		
WAYNESBORO	W5SAR	147.105	+		☺
WAYNESBORO	N5DWU	147.315	+		☺
WEST POINT	KC5LIO	147.180	+		☺
WIGGINS	KB5DZJ	145.270	-	T136.5	☺
WINONA	N5EYM	146.970	-	110.9	

220 MHZ

BYHALIA	N4DRL	224.500	-		☺
VICKSBURG	WB5OWY	224.780	-		
WARSAW	N4DRL	224.880	-		☺

440 MHZ

ABERDEEN	KD5AHI	444.450	+		☺
AMORY	KB5DSN	444.825	+		
BYHALIA	N4DRL	444.300	+		☺
CLERMONT HARBR	WD5BJT	444.150	+	T77.0	
CLINTON	KG5YV	444.000	+	T100.0	☺
ELLISVILLE	N5DWU	442.200	+	T167.9	☺
ELLISVILLE	N5DWU	442.250	+	T136.5	☺
GAUTIER	KA5NOJ	426.250	+		☺
GAUTIER	KA5NOJ	911.250	-		☺
GAUTIER	KC5LCW	443.450	+	123.0	☺
GLOSTER	N5ZNS	443.825	+		
GREENVILLE	N5PS	444.675	+	100.0	
HATTIESBURG	K5PN	443.700	+	T136.5	
HAZLEHURST	N5ZDF	443.950	+	T100.0	
HEIDELBERG	KC5RC	444.300	+	T100.0	
HICKORY FLAT	W4ZCD	444.725	+	T179.9	
INDIANOLA	AB5DU	444.850	+	136.5	
JACKSON	KB5LCL	444.450	+	T141.3	
JACKSON	KB5CO	444.600	+	T100.0	☺
JACKSON	NC5Y	444.700	+		
JACKSON	KB5CO	444.800	+		
JACKSON, EAST	AA5RZ	443.625	+		
MCCOMB	N5HTQ	444.875	+	T100.0	
MERIDIAN	KB5BRZ	444.100	+	131.8	
MERIDIAN	W5LRG	444.500	+	107.2	☺
NATCHEZ	N5IAT	443.800	+		
NETTLETON	AB5MU	444.625	+	192.8	
NEW ALBANY	WB5YCR	444.150	+		
NEW HEBRON	N5NNI	444.525	+	T	
O'REILLY	N5PS	444.975	+	PROP	
PEARL	KB5HAV	444.375	+	T88.5	
PETAL	W5CJR	443.350	+	T	
PHILADELPHIA	WB5YGI	444.950	+		
PICAYUNE	KE5LT	443.725	+	T179.9	☺
PINOLA	KC5LXF	444.850	+		
PORT GIBSON	KC5CLM	444.575	+	T141.3	☺
RAYMOND	W5PPB	443.600	+	77.0	☺
RICHTON	N5OCF	444.625	+		
SOUTHAVEN	NU5O	443.575	+	77.0	☺
SOUTHAVEN	N5PYQ	444.925	+	T107.2	
STARKVILLE	KD5GVU	444.750	+		☺
STENNIS SPC CEN	WB4FUR	444.650	+		
TUPELO	N5VGK	444.950	+	T192.8	
VICKSBURG	WB5TTE	444.925	+		
VOSSBURG	N5LRQ	442.725	+	T167.9	☺
WALLS	N5NBG	444.650	+		
WAYNESBORO	W5SAR	443.500	+		☺
WAYNESBORO	W5SAR	443.550	+		☺
WEST POINT	N5WXD	443.450	+		☺
WIGGINS	KB5DZJ	443.300	+	167.9	

NORTH CAROLINA

10 METERS

HIGH POINT	KE4QOX	29.640	-	T103.5	☺
NEWPORT	K4GRW	29.660	-	PROP	☺
ROCKY MOUNT	N4JEH	29.660	-		☺
THOMASVILLE	WW4DC	29.680	-	88.5	☺
WILKESBORO	KC4XE	29.620	-		☺
ZEBULON	WB4IUY	29.620	-		

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
# and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue.

N. CAROLINA REPEATERS CONTINUE

6 METERS

AIR BELLOWS GAP	WA4PXV	53.750	-		
ASHEVILLE	WD4BQW	53.270	-		☺
BOONE	WA4NC	53.790	-	PROP	☺
CHAPEL HILL	W4UNC	53.450	-	T107.2	☺
CLINTON	W4TLP	53.330	-		☺
DURHAM	W4BAD	53.750	-		
EFLAND	WA1YYN	53.410	-	T107.2	
#FAYETTEVILLE	W4EBM	53.810	-	UNCOR	
GASTONIA	KC4YOT	53.110	-		
HENDERSONVILLE	W4FOT	53.130	-	T100.0	☺
KVILLE/HIPOINT	KF4QDS	53.590	-	T103.5	
LUMBERTON	KD4BGD	53.110	-		☺
MONROE	W4ZO	53.370	-	PROP	
MT MITCHELL	AB4JJ	53.630	-	T100.0	☺
MT. AIRY	N4DAJ	53.970	-	T100.0	☺
MT.AIRY/FANCY GP	KD4FWS	53.070	-	T100.0	
PITTSBORO	KD4JFN	53.230	-	T107.2	☺
RALEIGH	K4ITL	53.030	-		☺
RALEIGH	W4BAD	53.190	-	PROP	
REELSBORO	KF4IXW	53.090	-	T162.2	☺
ROBBINSVILLE	KD4YWB	53.710	-	PROP	
ROCKY MOUNT	N4JEH	53.050	-		☺
SAURATOWN MT	N4QLX	53.210	-		
SOPHIA/RANDLEMAN	WR4BEG	53.350	-		☺
SPRUCE PINE	WA4PXV	53.050	-	PROP	
TARBORO	K4SER	53.110	-		☺
THOMASVILLE	KE4QOX	53.010	-	T88.5	☺
THOMASVILLE	WW4DC	53.170	-	88.5	☺
THOMASVILLE	WW4DC	52.525	+	T88.5	☺
WILLIAMSTON	K4SER	53.310	-		☺
WILMINGTON	AD4DN	53.430	-	T88.5	☺
YOUNGSVILLE	KD4MYE	53.370	-	T	☺

2 METERS

AHOSKIE	WB4YNF	145.130	-		☺
AHOSKIE	WA4ZGQ	146.910	-	T131.8	☺
ALBEMARLE	K4OGB	146.985	-	T100.0	☺
ANDRWS/ROBNSVL	K4AIH	147.045	-	T151.4	☺
ANDSN MT/DENVER	K4CCR	145.170	-	88.5	☺
ASHEVILLE	WB4PLA	146.835	-		☺
ASHVL/MT PISGAH	WA4BVW	146.760	-		☺
ASHVL/SPIVEY MT	W4MOE	146.910	-	91.5	☺
BAKERSVILLE	KC4WPM	145.310	-		☺
BENSON	KD4BJD	146.970	-		☺
BETHEL	KD4EAD	147.375	+	T151.4	
BEULAVILLE	N4VBH	145.230	-		
BOONE/RICH MTN	WA4J	147.360	+	T103.5	☺
BREVARD	K4HXZ	147.135	+		☺
BURGAW	K4CTY	146.940	-		☺
BURLINGTON	K4FHB	146.670	-		☺
BURNSVILLE	KD4WAR	146.955	-		
BURNSVILLE	KD4WAR	147.375	+		
BUTNER	N4NCK	145.370	-		☺
BUTNER	WA4IZG	146.940	-	T156.7	
BUXTON	K4USB	146.625	-	131.8	☺
CANTON	W4DJB	146.805	+		☺
CARTHAGE	KG4BOS	147.240	+		
CHAPEL HILL	W4UNC	145.230	-	T107.2	☺
CHAPEL HILL	K4ITL	147.135	+	T82.5	☺
CHARLOTTE	W4BFB	145.230	-		☺
CHARLOTTE	W4BFB	145.290	-		☺
CHARLOTTE	WA4AOS	145.350	-		☺
CHARLOTTE	W4BFB	146.940	-		☺
CHARLOTTE	W4CQ	147.060	-		☺
CHARLOTTE	W4CQ	147.270	+		☺
CHERRY MTN	KG4JIA	147.240	+	94.8	☺
CHINA GROVE	N4XO	145.410	-	136.5	
CLAREMONT	WB4SRV	147.225	+	T162.2	
CLAYTON	WB4IUY	147.390	+	T88.5	
CLINTON	W4TLP	146.790	-		☺
COINJOCK	WN3X	145.290	-	131.8	
COLUMBIA	KB4TOH	146.835	-	T131.8	☺
CONCORD/KANNAP.	K4CEB	146.655	-		☺
CROSSNORE	KD4GLB	146.700	-	167.9	
DOBSON	AD4T	146.925	-	T100.0	☺
DUNN	N4CID	146.700	-		☺
DURHAM	WR4AGC	145.450	-		
DURHAM	WD4LDB	147.360	+		
EDEN/STONEVILLE	WA4QBG	147.390	+		
EFLAND	WA1YYN	147.180	+	T156.7	
ELIZABETH CITY	WA4VTX	146.655	-	131.8	☺
ELM CITY	K2IMO	145.150	-	T88.5	☺
EMERALD ISLE	KI4RK	145.330	-	PROP	☺
FARMVILLE	K4ROK	145.270	-	T131.8	☺
FAYETTEVILLE	WA4FLR	147.330	+		
FAYVLLE/CFARS	WB4YZF	146.910	-	100	
FOREST CITY	K4OI	146.670	-	PROP	
FRANKLIN	NT4K	145.490	-		
FRANKLIN	W4GHZ	147.240	+	T151.4	☺
GASTONIA	WD4LCF	145.450	-	T	
GASTONIA/CRWDR	K4GNC	146.805	-		☺
GASTONIA/SPCR MT	N4GAS	147.120	+		☺
GIBSONVILLE	WB4IKY	145.490	-	T107.2	☺
GOLDSBORO	KI4RK	145.330	-	100.0	☺
GOLDSBORO	K4CYP	146.850	-	T	☺
GRAHAM	K4GWH	147.375	+	T114.8	☺
GREENSBORO	W4GSO	145.150	-	100.0	☺
GREENSBORO	W4GG	145.250	-	T88.5	☺
GREENSBORO	K4GWH	146.760	-	T156.7	☺
GREENSBORO	KG4BTN	147.030	+	T131.8	
GREENSBORO	W4BUZ	147.210	+		
GREENVILLE	WD4JPQ	145.350	-	T131.8	
GREENVL/ESTN NC	W4GDF	147.090	+		☺
GRIFTON	W4NBR	146.685	-	88.5	☺
HATTERAS ISLAND	K4OBX	145.150	-	T131.8	☺
HAW RIVER	KD4JFN	146.715	-	T107.2	☺
HENDERSONVILLE	WB4YAO	146.640	-	T91.5	☺
HENDERSONVILLE	WA4KNI	147.105	+		☺
HENDSVL/BERWLW	WA4KNI	145.270	-		☺
HENDSVL/PENIC	WA4KNI	147.255	+		☺
HICKORY/BRT. MT	WA4DSZ	146.850	-		
HIGH PEAK MTN	K4OLC	145.210	-	94.8	
HIGH POINT	NC4AR	145.290	-	T88.5	☺
HIGH POINT	W4UA	147.165	+		☺
HILLSBOROUGH	WR4AGC	147.225	+		
HOLDEN BEACH	W4ZU	146.775	-	T100.0	☺
#HOPE MILLS	W4IDR	146.835	+	UNCOR	
JACKSONVILLE	KA4SQN	145.190	-		
JACKSONVILLE	WD4FVO	147.000	-		☺
JEFFERSON	W4YSB	147.300	+	T103.5	☺
KANNAPOLIS	N4JEX	147.300	+	T136.5	☺
KILL DEVIL HILLS	W4PCN	145.110	-	T131.8	
KINSTON	W4OIX	145.470	-		☺
LAURINBURG	KI4RR	146.625	-		☺
#LENOIR	N4NIN	147.195	+	UNCOR	
LENOIR/HIBRITN	KN4K	147.330	+	T141.3	☺
LEVEL CROSS	K4ITL	147.255	+	T82.5	☺
LEXINGTON	N4LEX	145.310	-	T88.5	☺
LEXINGTON	W4PAR	146.910	-	T107.2	☺
LILLINGTON	K4ITL	147.105	+	T82.5	☺
LINCOLNTON	NC4LC	147.015	+	141.3	☺
LOCUST	WA4CHZ	147.390	+	T100.0	☺
#LUMBERTON	W4LBT	145.150	-	UNCOR	☺
LUMBERTON	W4NHV	147.045	+		☺
LUMBERTON	KD4PBK	147.165	+	T88.5	☺
LUMBERTON	W4PET	147.360	+		☺
MACO	KB4BR	147.060	+	T	☺
MADISON	WA4IXW	147.345	+	T103.5	
MARION	WD4PVE	146.985	-	118.8	
MILLERS CREEK	N4GGN	146.715	-		☺
MONROE/UCARS	NC4UC	145.390	-	T94.8	☺
MORGANTON	KC4QPR	146.745	-	94.8	☺
MORGANTON	K4VLY	147.150	+		
MOUNT AIRY	N4VRD	145.330	-	T100.0	☺
MT MITCHELL	WA4BVW	145.190	-		☺
MT. AIRY	N4VL	145.130	-	T103.5	☺
MURPHY/STALCUP	N4WCO	146.865	+	T151.4	☺
N. WILKESBORO	W4HF	145.370	-	T94.8	☺
NASHVILLE	WA4WPD	145.290	-	T107.2	☺
NEW BERN	W4EWN	146.610	-	T100.0	☺
NEWPORT	K4GRW	145.450	-		☺
NEWTON	K4CCR	147.075	+	T88.5	☺
ORIENTAL	W4SLH	147.210	+	T151.4	☺
OXFORD	N4NCK	145.170	-		☺
PITTSBORO	KD4JFN	147.075	+	T146.2	☺
RAEFORD	KU4W	145.430	-	100.0	☺
RALEIGH	W4RNC	145.130	-	T88.5	☺
RALEIGH	K4GWH	145.190	-	T156.7	☺
RALEIGH	WB4TQD	145.390	-	T82.5	☺
RALEIGH	W4BWC	145.490	-	T82.5	☺
RALEIGH	WB4TOP	146.610	-	T131.8	☺
RALEIGH	W4DW	146.640	-		☺
RALEIGH	W4BWC	146.730	-	T82.5	☺
RALEIGH	NC4SU	146.775	-	T88.5	☺
RALEIGH	WB4TQD	146.880	-		☺
RALEIGH	KD4MYE	147.015	+		☺
RALEIGH	KO4CW	147.195	+	T88.5	
RALEIGH/BENSON	AK4H	147.270	+		☺
RED SPRINGS	W4MZP	147.300	+		☺
REIDSVILLE	N4IV	146.850	-	T103.5	
ROANOKE RAPIDS	N4WFU	146.745	-	T131.8	
ROANOKE RAPIDS	KB4DJT	147.030	+		
ROANOKE RAPIDS	K4ITL	147.150	+	PROP	☺
ROBBINSVILLE	N4GSM	145.110	-	T151.4	☺
ROCKINGHAM	K4RNC	146.955	-		☺
ROCKY MOUNT	W4DCG	146.805	-	T118.8	☺
ROCKY MOUNT	WN4Z	147.120	+	T131.8	☺
ROLESVILLE	KF4HFQ	147.315	+	T88.5	
ROSEBORO	K4ITL	145.310	-		☺
SALISBURY	W4EXU	146.730	-	T94.8	☺
SAURATOWN MT	W4NC	145.470	-	T100	
SAURATOWN MT	KG4ASL	146.790	-	T107.2	☺
SAURATOWN MT	K4MPJ	147.315	+	T100.0	☺
SHALLOTTE	K4PPD	145.370	-		
SHALLOTTE	K4PPD	147.315	+	T118.8	
SHALLOTTE	K4PPD	147.390	+		
SHELBY	W4NYR	146.880	-		
SHELBY	W4NYR	147.345	+		
SPARTA/GREEN MT	K4QFQ	145.430	-		☺
STAR/BISCOE	KI4DH	147.090	+	100.0	☺
STATESVILLE	W4SNC	146.685	-		☺
SWANSBORO	KB2XI	146.760	-		☺
SYLVA	KF4DTL	147.345	+	151.4	
THOMASVILLE	KF4QDS	146.610	-	T123.0	
THOMASVILLE	KB4BPV	146.835	+	T88.5	
THOMASVILLE	WW4DC	147.000	+	T88.5	☺
TRENTON	WB4TQD	145.210	-		☺
#TROUTMAN	KC4MJC	147.045	+	UNCOR	☺
TRYON	KF4JVI	145.330	-		☺
TRYON	W4RCW	147.285	+		☺
WADESBORO	W4USH	146.835	-		☺
WANCHESE	W4ACY	146.940	-	T131.8	
WASHINGTON	WA4TEP	147.345	+		☺
WAXHAW	WA4ZRS	146.865	+	T94.8	☺
WAYNESVILLE	N4SM	147.270	+		
WAYNESVILLE	N4DTR	147.390	+		
WHITEVILLE	W4NTQ	147.210	+		☺
WILKESBORO	WB4PZA	146.820	-		☺
WILLIAMSTON	K4SER	145.410	-	T131.8	☺
WILMINGTON	N4JDW	145.170	-	T88.5	
WILMINGTON	AD4DN	146.670	-	T88.5	☺
WILMINGTON	N4ILM	146.730	-		☺
WILMINGTON	K4GMP	146.820	-	T88.5	☺
WILMINGTON	WA4US	147.135	+	T67.0	☺
WILMINGTON	AC4RC	147.180	+	T88.5	☺
WILSON	WB4THL	146.760	-	131.8	☺
WILSON	WB4IUY	147.300	+	PROP	
WINSTON-SALEM	W4NC	146.640	-	T100.0	
YADKINVILLE	N4YSB	147.015	-		☺
YOUNGSVILLE	KD4MYE	145.110	-	88.5	☺

220 MHZ

ANDRWS/ROBINSVL	K4AIH	224.880	-	T	☺
ASHEVILLE	KD4CJG	224.520	-	T91.5	
ASHEVILLE	WB4PLA	224.600	-		☺
ASHVL/MT PISGAH	WA4BVW	224.260	-		☺
BANNER ELK	WA4NC	224.840	-	PROP	☺
BARIUM SPRINGS	WA4WRS	224.300	-		☺
BIG KNB/MARS HIL	KE4RQL	224.660	-	100.0	
#BIG PHOENIX MTN.	KC4KUL	224.600	-	UNCOR	
BURNSVILLE	KD4WAR	224.740	-		
CANTON	N4DWU	224.820	-		☺
CARY	W4JYV	224.880	-	PROP	
CHAPEL HILL	K4ITL	224.120	-	PROP	☺
CHARLOTTE	W4BFB	224.400	-		☺
CHERRY MTN	KG4JIA	224.640	-	PROP	☺
CHERRYVILLE	KC4ZTJ	224.960	-		
CLEMMONS	WB9SZL	224.700	-	T100.0	
DUNCAN	KM4TC	224.700	-	T88.5	
EDEN	N4IV	224.780	-	T103.5	
EFLAND	WA1YYN	224.660	-	T107.2	
FAYETTEVILLE	WB4YZF	224.560	-		
GASTONIA	KC4IRA	224.620	-	T127.3	☺
GOLDSBORO	W3PS	224.960	-	T156.7	
GREENSBORO	WB4GUG	224.440	-	T107.2	
GREENSBORO	N4QVI	224.960	-		
GRIFTON	WA4DAN	224.840	-		☺
#GRIMESLAND	WB4PAC	224.360	-	UNCOR	
HAW RIVER	KD4JFN	224.620	-	T107.2	☺
HENDERSONVILLE	N4UQS	224.960	-		
HENDSVL/BERWLW	WA4KNI	224.240	-		☺
HILLSBOROUGH	WR4AGC	224.260	-		
JACKSONVILLE	KA4SQN	224.320	-		
KERNERSVILLE	KF4IXK	224.820	-	T107.2	
KVILLE/HIPOINT	KE4QOX	224.240	-	T107.2	☺
LENOIR/HIBRITN	KN4K	224.160	-		☺
LOCUST	KC4FWC	224.480	-		
MARSHALL	WA4TG	224.360	-		
MT MITCHELL	WA4BVW	224.540	-		☺
OXFORD	N4NCK	224.740	-		☺
PLYMOUTH	KB7BTU	224.760	-	T131.8	
RALEIGH	K4ITL	224.160	-		☺
RALEIGH	W4RNC	224.640	-		☺
ROBBINSVILLE	N4GSM	223.940	-	PROP	
ROCKY MOUNT	NF4C	224.220	-		☺
ROCKY MOUNT	KR4AA	224.580	-		☺
SALISBURY	W4EXU	224.760	-		☺
SHELBY	W4NYR	224.060	-		
SHELBY	KC4ZTJ	224.460	-		
SOPHIS/RANDLEMAN	WR4BEG	224.140	-	T	☺
THOMASVILLE	WW4DC	224.340	-	T88.5	☺
TRENTON	WA4DAN	224.720	-		☺
WILMINGTON	WA4US	224.200	-	T	☺
WILMINGTON	AD4DN	224.500	-	T88.5	☺
WILMINGTON	WB4KPF	224.680	-		

440 MHZ

AHOSKIE	WB4YNF	444.200	+	T	☺
AIR BELLOWS GAP	WA4PXV	443.575	+		
ANDRWS/ROBINSVL	WD4NWV	442.600	+	T151.4	☺
ANDRWS/ROBINSVL	K4AIH	443.650	+	T	☺
ANDSN MT/DENVER	K4CCR	444.075	+	88.5	☺
APEX	KD4PBS	442.075	+	T114.8	☺
ARCHDALE	KC4KUL	443.300	+	PROP	
ASHEBORO	KE4QAP	444.975	+		
ASHEVILLE	WA4TOG	442.550	+		☺
ASHEVILLE	KD4GEU	442.650	+		
ASHEVILLE	KF4TLA	443.275	+	T103.5	☺
AUBURN	N4ZCM	442.275	+		
BENSON	K4JDR	444.550	+	PROP	☺
BLADENBORO	KC4FWC	444.325	+	T77.0	
BLADENBORO	KC4FWC	444.725	+	77.0	
BOONE/RICH MT	KC4FWC	444.575	+	T77.0	
BREVARD	AG4AZ	442.850	+		☺
BRYSON CITY	N0SU	443.400	+	T151.4	☺
BUIES CREEK	NC4BJ	444.275	+	PROP	
BURGAW	N4JDW	444.075	+	PROP	
BURNSVILLE	KD4WAR	443.650	+		

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

N. CAROLINA REPEATERS CONTINUE

CANTON	KE4UIU	443.475	+	T156.7	
CARY	K4JDR	444.775	+	T100.0	☺
CASTALIA	N4JEH	444.975	+	T107.2	☺
CHAPEL HILL	W4UNC	442.150	+	T131.8	☺
CHAPEL HILL	W4UNC	443.475	+	T131.8	☺
CHARLOTTE	W4PPN	421.250	+		
CHARLOTTE	N4IBM	442.650	+	PROP	☺
CHARLOTTE	KD4OWV	443.950	+		
CHARLOTTE	K4KAY	444.350	+	T118.8	
CHARLOTTE	W4CQ	444.450	+		☺
CHARLOTTE	W4BFB	444.600	+	T100.0	☺
CHARLOTTE	W4WBT	444.675	+		
CHARLOTTE	W4CQ	444.850	+		☺
CHARLOTTE	WA1WXL	444.950	+	T136.5	☺
CHERRY MTN	KG4JIA	442.500	+	94.8	☺
CHINA GROVE	N4JEX	443.250	+	T136.5	☺
CLAREMONT	WB4SRV	443.775	+	T118.8	
CLAYTON	W4ATC	444.150	+	T100.0	☺
COLUMBIA	KB4TOH	443.300	+	131.8	☺
COLUMBUS	K4JLA	442.075	+	T103.5	☺
CONCORD	N2QJI	442.525	+	PROP	☺
CRAB CREEK TWP	KB4PQA	443.125	+		☺
CROWDER'S MT	KD4FRP	443.675	+		
DALLAS CHLT	KC4YOZ	443.850	+	T100.0	☺
DURHAM	WR4AGC	444.100	+		
DURHAM	W4BAD	444.575	+	PROP	
#DURHAM	KB4WGA	444.925	+	UNCOR	☺
DURHAM TV HILL	KJ4SO	421.250	+		
EFLAND	WA1YYN	442.050	+	T107.2	
ELIZABETH CITY	WA4VTX	444.300	+	131.8	☺
ELM CITY	K2IMO	442.325	+	PROP	☺
FAYETTEVILLE	WB4YZF	444.400	+	100HZ	
FOREST CITY	AI4M	443.300	+	T114.8	☺
FOUNTAIN	N4HAJ	444.425	+	PROP	
FRANKLIN	N4DTR	444.375	+	T131.8	
GASTONIA	KC4YOT	442.700	+	PROP	
GASTONIA	KG4LWG	442.775	+	T123.0	
GASTONIA	NC4GC	444.750	+		☺
GASTONIA/CRWDR	KC4ZTI	443.750	+		
GASTONIA/CRWDR	AG4EI	444.150	+	T	☺
GASTONIA/SPCR MT	N4GAS	444.550	+		☺
GIBSONVILLE	WB4IKY	443.025	+	T107.2	☺
GIBSONVILLE	WB4IKY	444.350	+	T107.2	☺
GOLDSBORO	KI4RK	443.000	+	T100.0	☺
GOLDSBORO	W3PS	443.050	+	T156.7	
GRAHAM	K4GWH	443.725	+	T156.7	☺
GRANTSBORO	KR4LO	444.350	+		☺
GREENSBORO	KO4AT	421.250	+		☺
GREENSBORO	KG4BTN	441.975	+	PROP	
GREENSBORO	W4GSO	442.875	+	T88.5	☺
GREENSBORO	KG4BTN	443.650	+	88.5	☺
GREENSBORO	K4GWH	444.225	+	T146.2	☺
GREENSBORO	KG4BTN	444.475	+	107.2	☺
GREENSBORO	KF4DWV	444.950	+	PROP	
GREENVILLE	WB4PMQ	444.800	+	T131.8	☺
HATTERAS ISLAND	K4OBX	444.925	+	T131.8	☺
HAW RIVER	KD4JFN	443.775	+	T107.2	☺
HENDERSON	KG4IWI	442.125	+	T88.5	☺
HENDERSON	KB4WGA	444.375	+	T100.0	☺
HENDERSONVILLE	WA4TOG	442.450	+		☺
HENDSVL/BERWLW	WA4KNI	444.250	+		☺
HICKORY	WA4PXV	442.375	+		
HICKORY	K4JEQ	444.000	+		
HICKORY	KF4LUC	444.800	+	T94.8	☺
HIGH POINT	W4UA	443.900	+		☺
HIGH POINT	KD4JFN	444.025	+	T107.2	☺
HILLSBOROUGH	WA1YYN	443.950	+	PROP	
HILLSBOROUGH	WR4AGC	444.450	+	T100.0	
HOLLY SPRINGS	KF4AUF	444.325	+	PROP	
HUNTERSVILLE	W8EMX	443.225	+	PROP	
#JACKSONVILLE	KE4JDP	444.675	+	UNCOR	
KANNAPOLIS	N4JEX	443.350	+	T136.5	☺
KERNERSVILLE	KF4DAR	442.975	+	T107.2	
KERNERSVILLE	KF4IXK	443.325	+	T131.8	
#KING/SAURATOWN	KE4QEA	444.200	+	UNCOR	☺
KINSTON	N4HAJ	442.000	+	PROP	
KINSTON	N4HAJ	444.575	+	T88.5	
KVILLE/H POINT	KE4QOX	443.700	+	T103.5	☺
LAKE GASTON	KF5TU	442.350	+	T100.HZ	☺
LENOIR/CAJAH MT	N4EUX	443.525	+		
LEXINGTON	KO0NTZ	442.275	+	T146.2	☺
LEXINGTON	K4AE	442.425	+	T107.2	☺
LEXINGTON	K4CH	442.925	+	T107.2	☺
LEXINGTON	W4PAR	444.500	+	T107.2	☺
LILLINGTON	W4FBC	444.175	+	PROP	
LINCOLNTON	WA4YGD	442.350	+		☺
LINVILLE	KC4UBR	442.175	+	T136.5	
LOCUST	WA4LBT	443.700	+		
LOUISBURG	N4EWS	444.250	+	88.5	
LUMBERTON	WB4DVN	444.625	+		
LUMBERTON	KD4BGD	444.700	+	T114.8	☺
MAYODAN	WA4WGY	443.975	+		
MCLEANSVILLE	WB4GUG	444.125	+	T	
MIDDLESEX	NE4J	444.650	+	T179.9	
MONROE	W4ZO	444.300	+	PROP	
MONROE	NC4UC	444.425	+	T94.8	☺
MORAVIAN FALLS	KA2NAX	442.675	+	PROP	
MOREHEAD CITY	KD4RAA	444.825	+	T100.0	☺
MORG/WALKER TOP	KC4QPR	442.300	+	94.8	☺
MORGANTON	KC4QZL	443.800	+	T	
MOUNT AIRY	N4XRY	444.925	+		
MT AIRY/FSH PK	KF4UY	444.825	+	T100.0	☺
MT MITCHELL	N4DWU	443.600	+	114.8	☺
NASHVILLE	N4JEH	443.700	+	T107.2	☺
NEW BERN	W4EWN	444.900	+	T100.0	☺
NEWEL	WT4IX	442.125	+	PROP	
NEWPORT CCARS	W4YMI	444.975	+		☺
NEWTON	KE4KIV	442.625	+		
OLD FORT	KR4EX	444.775	+		
#OXFORD	KC4WXA	444.600	+	UNCOR	
PINEY KNOB	KC4KPW	443.875	+	T103.5	
PITTSBORO	K1BUD	442.550	+	T	☺
PITTSBORO	KD4JFN	444.750	+	T146.2	☺
POLKVILLE	KC4ZTJ	444.975	+		
RALEIGH	N4LMR	442.450	+		
RALEIGH	W4MLU	442.575	+	T	☺
RALEIGH	NC4SU	442.675	+	100.0	
RALEIGH	WA4NNA	443.125	+		☺
RALEIGH	N4ZCM	443.225	+	T	
RALEIGH	W1IFL	443.375	+	T	
RALEIGH	W4RNC	444.525	+	T82.5	☺
RALEIGH	KD4RAA	444.675	+	T100.0	☺
RALEIGH	K4GWH	444.825	+	T146.2	☺
RALEIGH	KD4RAA	444.875	+	T100.0	☺
REIDSVILLE	K4YEC	444.800	+	T107.2	
RES. TRIANGLE PK	WA1YYN	443.425	+	T156.7	
RES. TRIANGLE PK	W4EUS	443.625	+		
ROANOKE RAPIDS	KA4BQM	444.550	+	T192.8	
#ROCKINGHAM	KC4FWC	443.825	+	UNCOR	
ROCKY MOUNT	N4JEH	444.700	+	T107.2	☺
ROCKY MOUNT	WN4Z	444.850	+	T131.8	☺
ROLESVILLE	KF4HFQ	444.950	+	T88.5	
ROUGEMNT/RED MT	WA4WTX	443.275	+	100.0	
ROXBORO	KE4GYN	442.175	+	T156.7	☺
SALISBURY	W4HG	443.150	+	T136.5	
SALISBURY	KJ4HF	444.650	+	T88.5	☺
SAURATOWN MT	KE4QOX	443.100	+	T88.5	☺
SAURATOWN MT	WB4GUG	443.400	+	T107.2	
SAURATOWN MTN	W1WBT	443.050	+	T136.5	
SCOTLAND NECK	WA4TCC	444.075	+	PROP	
SELMA	KI4RK	444.000	+		☺
#SHELBY	W4NYR	427.250	+	UNCOR	
SHELBY	W4NYR	444.325	+		
SOPHIA/RANDLEMAN	WR4BEG	443.075	+		☺
SOUTHERN PINES	KD4QMS	444.800	+	T118.8	
STANFIELD	KC4FWC	443.200	+	T77.0	
STATESVILLE	N4VOZ	443.450	+		
STATESVILLE	AE4GA	444.700	+	T94.8	☺
TARBORO	N4JEH	444.500	+	T100.0	☺
TARBORO	N4NTO	444.925	+	T118.8	☺
TAYLORSVILLE	W4ERT	441.625	+	T123.0	
TAYLORSVILLE	W4ERT	442.950	+	T151.4	
THOMASVILLE	WW4DC	442.900	+	T88.5	☺
VALDESE	WA4PXV	442.600	+		
WAXHAW	WA4ZRS	444.525	+	T94.8	☺
WAYNESVILLE	N4DTR	444.450	+		
WENTWORTH	N4IV	442.100	+	PROP	
WEST JEFFERSON	AB4JJ	443.500	+	T107.2	☺
WILKESBORO	KE4DGP	442.475	+	T107.2	
WILKESBORO	KC4XE	443.550	+		☺
WILLIAMSTON	K4SER	444.250	+	T131.8	☺
WILMINGTON	N4JDW	442.075	+	T88.5	
WILMINGTON	WA4US	442.175	+		☺
WILMINGTON	WA4US	442.200	+	T	☺
WILMINGTON	K4YNY	442.500	+	T88.5	
WILMINGTON	AD4DN	443.400	+	T88.5	☺
WILMINGTON	WA4US	443.850	+		☺
WILMINGTON	WA4US	443.950	+		☺
WILMINGTON	N4JDW	444.050	+	T88.5	
WILMINGTON	WA4US	444.200	+		☺
WILMINGTON	WA4US	444.450	+		☺
WILMINGTON	WA4US	444.650	+		☺
WILMINGTON	K4GMP	444.850	+	T88.5	☺
WILSON	W4EJ	444.900	+	T179.9	☺
WINGATE	WB4U	444.875	+	T127.3	☺
WINSTON-SALEM	W4NC	444.275	+		
WINSTON-SALEM	KD4MMP	444.725	+	T107.2	☺
YADKINVILLE	KD4KMK	442.025	+	T100.0	☺
YADKINVILLE	N4AAD	442.800	+	T100.0	☺
YOUNGSVILLE	KD2LH	443.200	+	T88.5	☺
ZEBULON	N1GMV	444.475	+	T88.5	
ZIRCONIA	N2QJI	441.900	+	PROP	☺

920 MHZ

BEAR WALLOW	WA4TOG	927.550	-	PROP	☺
CONCORD	N2QJI	927.662	-	PROP	☺
DURHAM	KB4WGA	927.612	-	PROP	☺
RALEIGH	W4FAL	927.662	-	T156.7	☺
WAYNESVILLE	N4DTR	927.662	-	T131.8	

1270 MHZ

#CHARLOTTE	W4PPN	1253.250	+	UNCOR	
CONCORD	N2QJI	1282.525	-	PROP	☺
GASTONIA/CRWDR	AG4EI	1292.820	-		☺
WILMINGTON	AD4DN	1291.410	-	88.5	☺

SOUTH CAROLINA

10 METERS

SUMTER	W4GL	29.660	-		☺

6 METERS

BISHOPVILLE	K4NOC	53.090	-		☺
CHESTER	KF4SXO	53.290	-		
GVL/CSR'S HEAD	KO4MZ	53.410	-	T131.8	
LEESVILLE	N5CWH	53.270	-	T162.2	☺
LITTLE MOUNTAIN	KN4AS	53.190	-	T156.7	
MOUNTAIN REST	KF4IWA	53.590	-		
ORANGEBURG	AD4U	53.210	-		☺
ROCK HILL	KI4D	53.250	-	PROP	
SUMTER	W4GL	53.770	-		☺
UNION	K4USC	53.150	-		☺
WALTERBORO	KG4BZN	53.310	-	123.0	☺

2 METERS

AIKEN	KY4S	145.170	-		☺
AIKEN	N4ADM	147.285	+		☺
ANDERSON	N4AW	146.970	-		☺
ANDERSON/SAS MT	N4AW	146.790	-		☺
AWENDAW	K4LWS	147.300	+	T103.5	
BAMBERG	WA4DFP	145.330	-		
BARNWELL	KK4BQ	147.030	+	T156.7	☺
BEAUFORT	W4IAR	145.310	-		☺
BEAUFORT	KD4KOJ	146.655	-		☺
BISHOPVILLE	K4NOC	145.170	-	T123.0	☺
BISHOPVILLE	W4APE	146.925	-		☺
CAMDEN	KT4NZ	146.820	-	PROP	
CHARLESTON	WA4USN	145.250	-	123.0	
CHARLESTON	WA4USN	146.790	-		
CHARLESTON	KT4YW	146.835	-		☺
CHARLESTON	N7GZT	146.940	-	T	☺
CHARLESTON	KF4CDR	147.345	+	T	
CHARLESTON AR	WA4USN	145.410	-		☺
CHARLESTON AREA	W4ANK	147.270	+		
CHERAW	W4APE	145.490	-		☺
CHESTER	W4CHR	145.310	-		
CHESTER	KF4SXO	146.625	-		
CHESTERFIELD	K4CCC	147.135	+		☺
CLEMSON UNIV	WD4EOG	145.450	-	T	
COLUMBIA	N7GZT	145.270	-	T162.2	☺
COLUMBIA	WB4NEP	146.715	-		
COLUMBIA	KF4GHC	147.330	+	156.7	
COLUMBIA	N4EOY	147.360	+		
DILLON/PEE DEE	W4JJ	146.745	-		☺
EASTOVER	KT4BU	147.075	+	T156.7	☺
ELLOREE	KC4WIF	146.610	-	T118.8	☺
FLORENCE	W4ULH	146.850	-		☺
FLORENCE	W4GEY	146.970	-		☺
FLORENCE	W4APE	147.195	+		☺
FORT JACKSON	KF4GHC	146.775	-	T156.7	☺
FORT MILL	WZ4SC	145.110	-		☺
FORT MILL	W4DXA	147.180	+		☺
GAFFNEY	KN4RG	145.470	-	T141.3	☺
GEORGETOWN	KI4CB	147.375	+		☺
GREELEYVILLE	KG4AQH	145.230	-		☺
GREENVILLE	W4IQQ	146.940	-		☺
GREENWOOD	W4JAK	145.130	-		☺
GREENWOOD	W4GWD	147.165	+	107.2	☺
#GREENWOOD	K4LEO	147.375	+	UNCOR	
GRNVLE/CSRS HD	W4NYK	146.610	-		☺
GRNVLE/PARIS MT	W4NYK	146.820	-		☺
HILTON HEAD	W4IAR	147.240	+	T	☺
#LANCASTER	W4PAX	146.700	-	UNCOR	☺
LANCASTER	AC4VT	147.240	+	T88.5	
LAURENS	KD4HLH	146.865	-	T107.2	☺
LEESVILLE	N5CWH	146.655	-	T162.2	☺
LEESVILLE	W4RRC	147.255	+	T123.0	☺
LEXINGTON	KA4FEC	147.390	+		☺
LITTLE MT.	K4AVU	147.210	+		
LITTLE RIVER	KF4VGX	146.865	-	PROP	
MARION	KD4HTW	147.000	-	T192.8	☺
MONCKS CORNER	WD4NUN	147.150	+	T	☺
MOUNTAIN REST	KU4OL	147.030	-		
MT PLEASANT	K4ESG	146.760	-	T	
MT. PLEASANT	N7GZT	145.450	-	T	☺
MYB BCH/BRKSVIL	N4LV	147.285	+		
MYR BCH/CONWAY	W4GS	145.110	-		☺
MYR BCH/CONWAY	KI4CB	145.470	-		☺
MYRTLE BEACH	W4GS	145.290	-	85.4	☺
MYRTLE BEACH	W4GS	147.120	+		☺
MYRTLE BEACH	K2PJ	147.240	+	PROP	
N. AUGUSTA	K4NAB	146.730	-	T	☺
#N. MYRTLE BEACH	N4JTH	147.030	+	UNCOR	☺
ORANGEBURG	KF4ATU	146.805	-	T156.7	
ORANGEBURG	N7GZT	146.880	-	T	☺
ORANGEBURG	KF4ATU	147.090	+	T156.7	
PAGELAND	W4APE	146.895	-		☺
PALMETTO	KB4RRC	147.345	+	PROP	
PAULINE	K4JLA	147.090	+		☺
PICKENS	WT4F	146.700	-	107.2	
PICKENS	WB4YXZ	147.000	-		

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
# and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

S. CAROLINA REPEATERS CONTINUE

PINE RIDGE	KD4BMX	146.955	-	T91.5	☺
PUMPKINTOWN	KU4ZS	145.290	-	PROP	
ROCK HILL	K4YTZ	147.030	-		
SAVANNAH RIVER	W4ZKM	145.450	-	PROP	
SENECA/LONG MT	WA4JRJ	147.270	+		☺
SIMPSONVILLE	WA4UKX	145.250	-	PROP	☺
SIMPSONVILLE	WA4UKX	146.730	-	100.0	☺
SMOAKS	KG4LAP	145.210	-		
SPARTANBURG	K4JLA	147.315	+		☺
ST. GEORGE	K4ILT	147.045	+	103.5	☺
ST. GEORGE	W4DTW	147.225	+		☺
ST. MATTHEWS	AD4U	146.670	-	T156.7	☺
SUMMERTON	N4LWY	145.150	-		
SUMMERVILLE	W4HNK	147.180	+	123.0	☺
SUMTER	K4JR	145.130	-		☺
SUMTER	K4JR	145.430	-	T156.7	☺
SUMTER	W4GL	146.640	-		☺
SUMTER	W4GL	147.015	+	156.7	☺
SUMTER/SHAW	W4VFR	147.060	+		
UNION	K4USC	145.150	-		☺
UNION	K4USC	146.685	-		☺
WALTERBORO	KG4BZN	145.390	-		
WALTERBORO	KG4BZN	147.135	+		☺
WHITE HALL	WA4SJS	146.910	-		☺

220 MHZ

BISHOPVILLE	K4NOC	224.860	-		☺
COLUMBIA	N7GZT	224.160	-		☺
COLUMBIA	N7GZT	224.640	-		☺
COLUMBIA	N4EOY	224.900	-		
CROSS	KB4VFD	224.580	-		
FLORENCE	N4JJ	224.940	-		☺
FORT MILL	WZ4SC	224.800	-		☺
GAFFNEY	KG4JIA	224.500	-	T123.0	☺
GREENVILLE	W4ILY	224.200	-		☺
GRNVL/DOWNTWN	W4NYK	224.920	-	88.5	☺
LEESVILLE	N5CWH	224.560	-	T162.2	☺
LITTLE MTN	N7GZT	224.520	-		☺
ORANGEBURG	N7GZT	224.180	-		☺
ORANGEBURG	KO4BR	224.780	-		☺
PICKENS	AC4RZ	224.280	-		
PICKENS	WB4QHF	224.400	-	T131.8	☺
PICKENS/CSRS HD	WB4QHF	224.140	-	T131.8	☺
PICKENS/SASFR MT	W4IT	224.320	-		☺
SUMTER	W4GL	224.120	-		☺
SUMTER/SHAW	W4VFR	224.660	-		
WEST SPRINGS	KN4CW	224.440	-		☺

440 MHZ

AIKEN	AC4WW	443.400	+	T107.2	
ANDERSON	KD4HEY	442.750	+	162.2	☺
BISHOPVILLE	K4NOC	444.500	+	123.0	☺
BLUFFTON	WA4MPZ	442.675	+	100.0	☺
CHARLESTON	N4SJW	442.150	+	PROP	
CHARLESTON	KF4CDR	442.775	+	T	
CHARLESTON	N4MNH	444.300	+		
CHARLESTON	KD4PBC	444.950	+	103.5	
CLEMSON UNIV.	WD4EOG	444.625	+	T156.7	
CLOVER	KC4KPJ	443.725	+	127.3	☺
COLUMBIA	N7GZT	442.200	+	162.2	☺
COLUMBIA	KF4GHC	444.200	+	T156.7	☺
COWPENS	KE4EAN	443.625	+	T136.5	☺
EASLEY/SAS MTN	AC4RZ	444.925	+	T103.5	
FLORENCE	W4ULH	444.000	+		
FORT MILL	WZ4SC	443.475	+		☺
GAFFNEY	AI4M	442.000	+	114.8	☺
GEORGETOWN	KI4CB	444.925	+	T	☺
GREELEYVILLE	KG4AQH	441.525	+	PROP	☺
GREENVILLE	KB4PQA	442.250	+		☺
GREENWOOD	W4GWD	443.900	+	107.2	☺
GRNVLE/PARIS MT	W4IQQ	443.350	+		☺
KNIGHTSVILLE	WA4USN	441.350	+		☺
LAKE MURRAY	N4UHF	444.650	+	T	
LAKE WYLIE	W1WBT	444.050	+	T136.5	
LANCASTER	KC4AC	444.100	+		
LAURENS	KD4HLH	443.175	+	T146.2	☺
LAURENS	KF4Y	443.775	+	T141.3	
LEESVILLE	N5CWH	443.500	+	162.2	☺
LEXINGTON	N4GUP	421.250	+		
LIBERTY	N4VDE	443.975	+	PROP	
LITTLE MT	NK4W	442.975	+	T162.2	
MOUNTAIN REST	AE4PZ	442.775	+	T127.3	
MT PLEASANT	W4HNK	443.800	+	123.0	☺
MT. PLEASANT	WA4USN	441.450	+		☺
MYB BCH/BRKSVIL	N4LV	444.525	+		
MYR BCH/CONWAY	W4GS	444.675	+	T85.4	☺
MYRTLE BEACH	K2PJ	444.575	+	85.4	☺
NO. CHARLESTON	KT4YW	444.600	+		☺
ORANGEBURG	WM3O	444.975	+		
PICKENS	WT4F	442.125	+		
PICKENS/CSRS HD	WB4QHF	442.400	+	T127.3	☺
ROCK HILL	KC4KPJ	444.725	+	127.3	☺
SIMPSONVILLE	AA4LB	442.725	+	T100.0	☺
SPARTANBURG	KU4ZS	442.175	+	PROP	
SUMMERVILLE	KC4ED	442.300	+	T	☺
SUMTER	WZ4O	421.250	+		
SUMTER	W4GL	444.150	+	123.0	☺
UNION	K4USC	442.100	+		☺
WALTERBORO	KG4BZN	444.550	+	123.0	☺

TENNESSEE

10 METERS

GALLATIN/BNA	W4CAT	29.640	-	T107.2	☺
GREENEVILLE	WB4NKM	29.640	-		
MEMPHIS	W4ZJM	29.620	-	T*#	
SPRINGFIELD	N8ITF	29.680	-	88.5	
TELLICO PLAINS	AJ4D	29.620	-	PROP	

6 METERS

CHATTANOOGA	K4VCM	53.350	-		☺
COOKEVILLE	WA4UCE	53.190	-	PROP	☺
DRESDEN	KG4IBW	53.130	-	T107.2	
GALLATIN	WA4BGK	53.050	-	T114.8	
GEORGETOWN	WD4OAR	53.730	-	PROP	
GREENEVILLE	N4FV	53.010	-	PROP	
GUTHRIE (TN/KY)	KA4ZKL	53.230	-		
KINGSPORT	K4GX	53.430	-	PROP	
#KNOXVILLE	WA4YON	53.250	-	UNCOR	☺
KNOXVILLE	N4OQJ	53.550	-	PROP	☺
KNOXVILLE/RACK	W4BBB	53.770	-	1000.0	☺
KNXVL/ENG MT	WB4IOB	53.150	-		☺
LAFOLLETTE	K4BGW	53.170	-	PROP	
LANEVIEW	KE4OVN	53.710	-	T107.2	
LEXINGTON	N5YKR	53.150	-	T100.0	
MARYVILLE	KC4PDQ	53.370	-		☺
MEMPHIS	WA4KOG	53.010	-		
MEMPHIS	K4RDK	53.550	-		
MEMPHIS	W4GMM	53.930	-	T107.2	☺
MONTEAGLE MTN	NQ4Y	53.450	-	114.8	☺
MORRISTOWN	KF4FTD	53.030	-	PROP	
MORRISTOWN	KQ4E	53.230	-		
NASHVILLE	WA4BGK	53.010	-	T114.8	
NASHVILLE	N4ARK	145.210	-		☺
OAK RIDGE	WD4GYN	53.110	-		
ROAN MTN	KD4SQB	53.310	-		
#ROGERSVILLE	K4GX	53.750	-	UNCOR	
SEVIERVILLE	KD4PBC	53.090	-	PROP	
SPRINGFIELD	N8ITF	53.150	-	107.2	
WAVERLY	NO4Q	53.090	-		☺

2 METERS

ALAMO	WB4EDS	147.135	+		
ANDERSON CTY	KF4BVQ	146.700	-	T100.0	☺
ARNOLD A.F.B.	KC4FV	147.195	+		☺
ATHENS	KG4FZR	145.150	-	T141.3	☺
ATHENS	WA4PNI	145.310	-	T141.3	☺
BENTON	K4SIR	145.450	-	T	
BLOUNTVILLE	W4CBX	147.000	+		☺
BOLIVAR	AF4O	147.045	+		☺
BRADEN	WA4KOG	145.490	-		
BRISTOL	W4UD	146.670	-		☺
BRISTOL	WD4CYZ	146.880	-		
BROWNSVILLE	WF4Q	145.430	-	T107.2	☺
BROWNSVILLE	KD4AOK	146.655	-		
BRSTL/HOLSTN MT	K4JP	146.760	-		
BRUCETON	WF4Q	145.170	-	T107.2	☺
CARTHAGE	N4OTT	145.190	-		☺
CENTERVILLE	AG4UW	147.090	+	T123.0	
CENTERVILLE	AG4UW	147.255	+	T123.0	
CHARLESTON	KD4LDU	147.060	-	T141.3	
CHATTANOOGA	K4CMY	145.130	-		
CHATTANOOGA	W4AM	145.290	-	T118.8	
CHATTANOOGA	W4AM	145.390	-		
CHATTANOOGA	W4AM	146.610	-		
CHATTANOOGA	W4AM	146.790	-		
CLARKSVILLE	AC4RS	147.000	+	T167.9	☺
CLARKSVILLE	KF4L	147.390	+	T123.0	
CLEVELAND	W4GZX	146.925	-		☺
CLEVELAND	KD4NEC	147.105	+		☺
CLEVELAND	WD4DES	147.180	+	T118.8	☺
COLLEGEDALE	KA6UHV	147.000	+	T131.8	☺
COLLIERVILLE	WT4E	145.330	-	PROP	
COLUMBIA	W4GGM	147.120	+	T127.3	☺
COOKEVILLE	KK4TD	145.110	-		☺
COOKEVILLE	WA4UCE	145.430	-		☺
COOKEVILLE	W4HPL	147.210	+		☺
CORNERSVILLE	WB4VXX	146.625	-	107.2	
CORNERSVILLE	KF4TNP	146.805	-	114.8	
CROSS PLAINS	K4BBN	147.345	+		☺
CROSSVILLE	W4EYJ	146.805	-	131.8	
CROSSVILLE	KF4DPU	146.865	-		
CROSSVILLE	KF4HNV	146.895	-	PROP	
CUMBERLAND CITY	WD4DBJ	145.330	-		☺
CUMBERLAND CITY	WA4TLZ	146.925	-	T127.3	
DANDRIDGE	WD4EGD	146.895	-	T	
DAYTON	K4PHT	147.345	+		
DAYTON/RHEA CTY	K4DPD	147.390	+		☺
DICKSON	KN4HL	147.375	+		☺
DOVER	KT4WS	145.250	-	100.0	
DOVER	N4VIH	145.410	-		☺
DRESDEN	KE4OVN	145.350	-	107.2	
DYERSBURG	W4MV	146.745	-		☺
ELIZTON/HOLS MT	KF4ZQA	145.290	-	T100.0	☺
ERWIN/PINNACLE	N4WXS	145.250	-	T	☺
ERWIN/UNICOI	KF4BRS	147.165	+		☺
FAYETTEVILLE	W4BV	147.030	+		☺
FRANKLIN	W4XS	145.150	-		
FRUITLAND	WF4Q	146.775	-	T107.2	☺
GALLATIN	W4LKZ	147.240	+	T114.8	☺
GALLATIN	WD4BKY	147.270	+	T114.8	☺
GALLATIN	W4CAT	147.300	+	T114.8	☺
GERMANTOWN	W2GLJ	145.210	-		
GRAY	WM4T	145.110	-		
GREENBRIER	WQ4E	147.075	+	T107.2	☺
GREENEVILLE	W4WC	145.390	-		
GREENEVILLE	N4FV	147.060	+	186.2	
GRNVL/VIKING MT	K4MFD	145.410	-	T173.8	☺
GTLBG/COVE MTN	WA4KJH	146.850	-	T127.3	
HARRIMAN	KA4QYI	146.640	-	T100.0	☺
HARRIMAN	KC4WHL	146.745	-		
HENDERSON	K4TC	147.105	+	T	☺
HOWENWALD	K4TTC	146.895	-	100.0	☺
HUNTINGDON	KB4YTM	146.835	-		
JACKSON	KF4SC	145.310	-		☺
JACKSON	WF4Q	147.210	+	T107.2	☺
JACKSON	WB0TMC	147.270	+		
JAMESTOWN	K4NLP	147.090	+	T100.0	☺
JASPER	KD4XV	145.190	-	T127.3	☺
JOHNSON CITY	W4ABR	146.790	-		☺
JOHNSON CITY	KE4FH	147.270	+		☺
JONESBOROUGH	WD4OBW	146.925	-		☺
KNGSPT/BAYS MT	W4TRC	146.970	-		
KNOXVILLE	WB4GBI	145.170	-		☺
KNOXVILLE	WA4TEM	145.330	-		☺
KNOXVILLE	KB4KIE	145.370	-		
KNOXVILLE	WB4YLC	145.430	-		☺
KNOXVILLE	WB4GBI	145.470	-		☺
KNOXVILLE	WB4GBI	146.625	-	T100.0	☺
KNOXVILLE	KC4ROG	146.910	-	T	
KNOXVILLE	WB4GBI	146.940	-		☺
#KNOXVILLE	KD4CWB	147.000	-	UNCOR	
KNOXVILLE	WB4GBI	147.075	+		☺
KNOXVILLE	KD4CWB	147.195	+	PROP	
KNOXVILLE/RACK	W4BBB	145.210	-	T100.0	☺
KNOXVILLE/RACK	W4BBB	147.300	+	T100.0	☺
KNXVL/ENG MT	WB4IOB	146.730	-		☺
LAFAYETTE	KC4ECD	145.310	-	T151.4	☺
LAFOLLETTE	KA4OAK	145.130	-		
LAFOLLETTE	K4BGW	146.670	-		
LAFOLLETTE	KA4OAK	147.360	+		
LAKE CITY	WB4OAH	146.820	-		
LAVERNE	W4CAT	145.230	-		☺
LAWRENCEBURG	W4RDM	146.655	-	T	
LEBANON	W4LYR	147.105	+	T100.0	☺
LIVINGSTON	W5BAK	147.045	+		☺
MANCHESTER	W4UOT	146.700	-	T114.8	☺
MARTIN	N4ABU	146.625	-		
MARYVILLE/ALCOA	W4OLB	146.655	-		☺
MAYNARDVILLE	KB4KIE	145.230	-		
MCEWEN	NO4Q	147.225	+		☺
MCMINNVILLE	WD4MWQ	146.970	-		
MCMINVL/SHT MT	WB4LHO	145.490	-		
MCNAIRY	WF4Q	147.075	+	T107.2	☺
MEDINA	WA4RWK	146.970	-		
MEMPHIS	KF4ATY	145.130	-	T107.2	☺
MEMPHIS	K0JXI	145.150	-		
MEMPHIS	N4ER	145.250	-	T146.2	☺
MEMPHIS	K5FE	145.410	-	T107.2	
MEMPHIS	WA4KOG	145.450	-		
MEMPHIS	WB4KQQ	146.640	-		
MEMPHIS	KE4LFZ	146.730	-	T107.2	☺
MEMPHIS	W4KIB	146.790	-	T107.2	
MEMPHIS	W4BS	146.820	-	T	
MEMPHIS	WA4KOG	146.850	-		
MEMPHIS	WA4KOG	146.880	-		
MEMPHIS	N4BSM	146.940	-	T107.2	
MEMPHIS	W4ZJM	147.000	-	T*#	
MEMPHIS	W4EM	147.030	+	T107.2	☺
MEMPHIS	WA4MQQ	147.060	+		☺
MEMPHIS	W4GMM	147.090	+	T107.2	☺
MEMPHIS	N4WAH	147.120	+	T107.2	
MEMPHIS	WA4KOG	147.180	+		
MEMPHIS	WA4ADT	147.300	+	107.2	
MEMPHIS	W4BS	147.360	+	T107.2	
MONTEAGLE MTN	NQ4Y	145.410	-	T114.8	☺
MORGAN COUNTY	WD4ORB	147.330	+	T82.5	☺
MORRISTOWN	KQ4E	145.450	-		
MORRISTOWN	KQ4E	147.030	+		
MORRISTOWN	WB4OAH	147.225	+		
#MORRISTOWN	KQ4E	147.390	+	UNCOR	
MOSCOW	KF4OID	145.110	-	107.2	☺
MOUNTAIN CITY	KF4RBR	145.470	-	103.5	☺
#MT PLEASANT	KF4GHD	145.450	-	UNCOR	☺
MURFREESBORO	WB4LHO	145.170	-		
NASHVILLE	KC4WPS	145.130	-	T114.8	
NASHVILLE	N4ARK	52.525	+		☺
NASHVILLE	N4ARK	145.210	-		☺
NASHVILLE	WR3S	145.370	-		☺
NASHVILLE	N4ARK	145.470	-		☺
NASHVILLE	WA4PCD	146.610	-	T	
NASHVILLE	AF4TZ	146.640	-	T114.8	☺
NASHVILLE	AF4TZ	146.670	-	T114.8	☺
NASHVILLE	WA4PCD	146.760	-	T114.8	
NASHVILLE	W4SQE	146.790	-	T100.0	☺
NASHVILLE	W4AY	146.850	-	T114.8	
NASHVILLE	WA4PCD	146.880	-	T	
#NASHVILLE	NT4L	146.955	-	UNCOR	
NASHVILLE	KC4PRD	146.985	-		☺

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

TENNESSEE REPEATERS CONTINUE

NASHVILLE	AF4TZ	147.015	+	T	☺
NASHVILLE	K4AYN	147.045	+		
NASHVILLE	K4ZGA	147.180	+	T114.8	
NASHVILLE	AF4TZ	147.360	+	T	☺
NASHVILLE WEST	WA4PCD	147.150	+	T114.8	
NASHVL/FAIRVIEW	N4ARK	145.110	-	151.4	☺
NOLENSVILLE	WD4JYD	145.350	-	114.8	☺
OAK RIDGE	W4SKH	146.880	-		☺
OAK RIDGE	W4SKH	146.970	-		☺
OAK RIDGE	W4SKH	147.120	+	T82.5	☺
OAK RIDGE	K4EAJ	147.150	+	T82.5	☺
OAKFIELD	WA4BJY	147.390	+	T	
ONEIDA	KB4PNG	145.350	-	PROP	
#ONEIDA	KB4PNG	146.820	-	UNCOR	
PARIS	KC4YLL	147.165	+	PROP	
PARIS	K4KLX	147.360	+		
PETROS/FRZ HD MT	KJ4SI	147.255	+		☺
PIGEON FORGE	KD4CLA	145.270	-	T100.0	
PIKEVILLE	KF4JPT	147.285	+		☺
PULASKI	WD4RBJ	147.330	+	100.0	
PULASKI/MUSIC MT	W4JVO	146.775	-		
PURYEAR	WA4CEX	147.165	+		
RAMER	WB4MMI	146.700	-	T107.2	☺
RCKWD/MT ROSVLT	KE4RX	147.015	+		☺
#RICHLAND	KF4TNP	147.390	+	UNCOR	
RIDGETOP	K4DXC	145.290	-	114.8	☺
RIPLEY	KE4NTL	145.230	-	T100.0	☺
ROGERSVILLE	KD4HZN	147.315	+	T114.8	
SALTILLO	KB4JUB	146.715	-		
SARDIS	AF4OQ	147.195	+	T94.8	
SELMER	WB4MMI	146.805	-	T107.2	☺
SHELBYVILLE	N4VFB	147.060	+		
SHILOH	WF4Q	145.290	-	T107.2	☺
SHORT MTN	W4YXA	146.910	-		
SPARTA	N4ARK	147.315	+	T123.0	☺
SPARTA/WHITE	KR4BT	147.165	+	T123.0	☺
TELLICO PLAINS	KE4VQM	147.315	+	T141.3	
TRENTON	KN4KP	146.865	-		
UNION CITY	WA4YGM	146.700	-		
UNION CITY	WF4Q	147.015	+	T107.2	☺
WALLAND	KF4ARH	146.685	-	T88.5	☺
WARTBURG	AA4YQ	146.745	-		☺
WATERTOWN	K4EHL	146.730	-	T100.0	☺
WATERTOWN	W4LYR	146.835	-	T100.0	☺
WINCHESTER	W4UOT	146.820	-		☺

220 MHZ

BLOUNTVILLE	W4CBX	224.200	-		☺
CHATTANOOGA	K4VCM	224.780	-		
CLARKESVILLE	N4PJX	224.420	-	123.0	
CLEVELAND	KK4US	224.320	-		
CLEVELAND	W4RRG	224.920	-		☺
COALFIELD	KC4WGH	224.840	-	T88.5	☺
COLLIERVILLE	KB4YGI	224.400	-		
ERWIN	KB8FPK	224.180	-		☺
GALLATIN	W4CAT	223.980	-	107.2	☺
GALLATIN	KD4VUW	224.700	-		
GATLINBURG	W4UWH	224.620	-		
GREENBRIAR	WQ4E	224.800	-		☺
GREENBRIER	WQ4E	224.760	-		☺
GREENEVILLE	W4WC	224.900	-	T100.0	☺
GREENEVILLE	WB4NKM	224.940	-		
GRNVL/VIKING	K4MFD	224.720	-	T173.8	☺
HERMITAGE	WB4SJV	223.900	-		
JC/BUFFALO MT	KE4FH	224.780	-		☺
KNOXVILLE	WB4GBI	224.340	-		☺
KNOXVILLE	N4OQJ	224.380	-	100.0	☺
KNOXVILLE	N4KFI	224.580	-	T103.5	
KNOXVILLE	K4PCK	224.760	-		☺
KNOXVILLE/RACK	W4BBB	224.500	-	T100.0	☺
KNXVL/CROSS MT	KB4FZK	224.220	-	T100.0	☺
LAFOLLETTE	KA4OAK	224.280	-		
LAVERGNE	WR3S	224.360	-		☺
LEWISBURG	KF4TNP	224.100	-		
MEMPHIS	W4ZJM	223.940	-	T*#	
MEMPHIS	W4BS	224.420	-		
MEMPHIS	WA4KOG	224.780	-		
MORRISTOWN	N4RBB	224.400	-		
MORRISTOWN	KC4RGQ	224.640	-		
MURFREESBORO	KD4TZZ	224.600	-	123.0	☺
NASHVILLE	WR3S	224.160	-		
#NASHVILLE	KC4TFQ	224.440	-	UNCOR	
NASHVILLE	WR3S	224.460	-		
NASHVILLE	K4ZGA	224.480	-		
NASHVILLE	WR3S	224.660	-		
NASHVILLE	N4PYI	224.740	-	T100.0	☺
NASHVILLE	KC4PRD	224.840	-		☺
NASHVILLE	WA4PCD	224.940	-	T	
NEWPORT	AC4JF	224.560	-	T100.0	☺
ONEIDA	KB4PNG	224.140	-		
ROGERSVILLE	KD4HZN	224.480	-		
S. PITTSBURG	WR3S	224.760	-		
SE NASHVILLE	WR3S	224.960	-		
SEVIERVILLE	N2FUV	224.440	-	T	
SEVIERVILLE	KD4IBW	224.700	-	T100.0	
SEVIERVILLE	KD4IBW	224.800	-		
SHORT MTN.	N4PYI	224.260	-	T114.8	☺
SMITHVILLE	WR3S	223.960	-		☺
SPRINGFIELD	KO4BN	224.220	-		
SPRINGFIELD	N8ITF	224.540	-	107.2	
SWEETWATER	WD9JGI	224.900	-	T127.3	

440 MHZ

ALAMO	WB4EDS	443.750	+		
BARTLETT	K4VVM	443.700	+	T107.2	
BARTLETT	WA4PAJ	444.250	+		
BIG SANDY	W4TLB	443.600	+	114.8	☺
BLUFF CITY	KE4CCB	444.500	+	T77.0	
BRICK CHURCH	KF4TNP	443.100	+	T167.9	
CASTALIAN SPRING	KE4SWV	442.750	+	PROP	
CENTERVILLE	AG4VW	443.700	+	PROP	
CENTERVILLE	AG4UW	444.700	+	T107.2	
CHAT/MNTLAKE MT	KD4UWA	444.875	+	T156.7	
CHAT/WALDEN	AF4ZJ	442.425	+		
CHATT/HIXSON	N4WT	442.900	+		☺
CHATTANOOGA	WJ9J	442.025	+	PROP	☺
CHATTANOOGA	WJ9J	442.150	+		☺
CHATTANOOGA	KT4OL	443.125	+	PROP	☺
CHATTANOOGA	KT4OL	443.125	+	PROP	☺
CHATTANOOGA	WB4LRD	443.550	+		
CHATTANOOGA	KD4HII	443.900	+	T	
CHATTANOOGA	W4AM	444.100	+		
CHATTANOOGA	KE4LQY	444.150	+		☺
CHATTANOOGA	KD4HII	444.200	+	T	
CITY UNKNOWN	N0LOG	443.750	+	PROP	
CLARKSVILLE	KA1FFO	442.900	+	T110.9	
CLARKSVILLE	WA4BZU	444.325	+	T107.2	
CLARKSVILLE	KF4GP	444.950	+	T167.9	
CLEVELAND	WD4DES	442.250	+	T118.8	☺
CLEVELAND	KD4NED	442.450	+	PROP	
CLEVELAND	W4GZX	444.275	+		☺
COLLEGEDALE	KA6UHV	443.575	+	T131.8	☺
COLLIERVILLE	KA7UEC	443.300	+	107.2	☺
COLLIERVILLE	KA7UEC	443.625	+	T107.2	☺
COLLIERVILLE	WT4E	444.625	+	T107.2	
COLUMBIA	W4RDM	442.725	+		
COLUMBIA	WA4AKM	444.925	+	T107.2	
CONCORD	KA4BNI	442.675	+	T107.2	☺
COOKEVILLE	WA4UCE	442.300	+	107.2	☺
COOKEVILLE	K4DAV	444.500	+	PROP	
COOKEVILLE	NQ4Y	444.550	+	T107.2	☺
COOKEVILLE	WS4S	444.600	+	T107.2	
CROSSVILLE	W4EYJ	444.950	+	T118.8	
CUMBERLAND FU	KG4CEO	442.375	+	T107.2	☺
DAYTON	KJ4BJ	442.075	+		☺
DEASON	WA4AWI	443.350	+	T107.2	
DECATUR	KE4MBR	442.725	+	PROP	
DOVER	N4VIH	444.925	+		☺
DRESDEN	KA4BNI	442.150	+	T107.2	☺
ETOWAH	KF4CFO	442.275	+	141.3	☺
EVA	AD4QG	443.625	+		
FRANKLIN	N4ULM	443.850	+		
FRANKLIN	WA4AKM	444.725	+	T107.2	
GALLATIN	WD4BKY	444.000	+	T	☺
GALLATIN	WD4BKY	444.350	+	T114.8	☺
GALLATIN	W4CAT	444.450	+	T107.2	☺
GALLATIN	WA4AKM	444.775	+	T107.2	
GATLBG/COVE MT	WA4KJH	443.300	+	T127.3	
GATLINBURG	KD4PBC	443.150	+	PROP	
GERMANTOWN	W2GLJ	444.175	+		☺
GOODLETTSVILLE	KC4PRD	443.125	+	107.2	☺
GRAY	WM4T	442.200	+	T100.0	
GREENBRIER	WQ4E	444.250	+		☺
GREENEVILLE	W4WC	443.200	+	100.0	
GREENEVILLE	K4MFD	444.200	+	T173.8	☺
GREENEVILLE	WB4NKM	444.650	+	T100.0	
GREENEVILLE	K4GX	444.950	+	PROP	
GREENVILLE	N4FV	442.700	+	PROP	
HARRIMAN	KC4WHL	442.875	+	T136.5	
HARRIMAN	K4CRS?	444.025	+		
HENDERSON	KE4PFW	442.275	+		
HENDERSON	KU4RT	442.575	+		
HENDERSON	K4TC	444.750	+	T	☺
HICKORY VALLEY	KA4JXT	443.125	+	107.2	☺
HIXSON	KF4VWJ	444.750	+	PROP	
HOHENWALD	K4TTC	442.000	+		☺
HOHENWALD	WB4NNX	444.850	+	T100.0	☺
HUNTINGDON	KB4YTM	444.375	+		
JACKSON	KA4BNI	442.425	+	T107.2	☺
JACKSON	KE4CES	442.900	+	T114.8	☺
JACKSON	WB0TMC	444.725	+	T107.2	
JAMESTOWN	KC4MJN	443.625	+	T100.0	☺
JASPER	KD4XV	442.050	+	T127.3	☺
JEFFERSON CITY	KD4TUD	444.625	+	T	
JOHNSON CITY	KE4FH	444.100	+		☺
JOHNSON CITY/BUF	WD4ATV	421.250	+		☺
KNOXVILLE	WB4HAP	442.500	+	T103.5	☺
KNOXVILLE	N4UAG	443.025	+		
KNOXVILLE	KA4AZQ	443.075	+	PROP	
KNOXVILLE	KD4CWB	443.500	+	T	
KNOXVILLE	KA4AZQ	443.800	+	T100.0	
KNOXVILLE	KD4OBX	443.950	+		☺
KNOXVILLE	KD4CWB	444.000	+	PROP	
KNOXVILLE	KC4NNN	444.175	+	T	
KNOXVILLE	WB4GBI	444.300	+		☺
KNOXVILLE	KB4KSL	444.325	+		
KNOXVILLE	KC4NNN	444.425	+	T	
KNOXVILLE	KD4IBW	444.525	+	T100.0	
KNOXVILLE	KD4TZD	444.925	+		☺
KNOXVILLE/RACK	W4BBB	444.575	+	T100.0	☺
LAFAYETTE	KC4ECD	444.125	+	T107.2	☺
LAFOLLETTE	KB4OTK	443.700	+		☺
LAKE CITY	WD4LUR	442.800	+	T100.0	☺
LANEVIEW	KE4OVN	443.850	+	T107.2	
LAVERGNE	WR3S	443.975	+	T	
LEBANON	KW4LS	443.000	+	PROP	
LEBANON	WA4AWI	443.275	+	T107.2	
LEBANON	W4LYR	443.575	+	T100.0	☺
LEBANON	WA4AXH	444.275	+	T	
LEWISBURG	KF4TNP	442.100	+	107.2	
LEWISBURG	KG4JJB	444.075	+	107.2	
LEXINGTON	KA4BNI	442.075	+	T107.2	☺
LORETTO	KF4OCK	442.875	+	203.5	
MARYVILLE	K4BTL	442.000	+		
MARYVILLE	KC4PDQ	444.075	+	100.0	☺
MARYVILLE	KF4VDX	444.700	+	PROP	
MARYVILLE	KE4FGW	444.825	+	T100.0	☺
MCEWEN	KE4KNZ	443.925	+	T	☺
MCKENZIE	KD4KPV	443.875	+		
MCMINNVILLE	WD4MWQ	444.850	+	T	
MCNAIRY	WF4Q	444.550	+	T107.2	☺
MEDINA	WA4BJY	442.050	+		
MEMPHIS	W4GMM	442.175	+	T107.2	☺
MEMPHIS	NU5O	442.575	+	77.0	☺
MEMPHIS	WB4EPG	442.625	+		
MEMPHIS	WF4G	442.825	+		
MEMPHIS	W4ZJM	443.000	+	T*#	
MEMPHIS	KA4JXT	443.100	+	T107.2	☺
MEMPHIS	KA4JXT	443.125	+	T	☺
MEMPHIS	W4BS	443.200	+	T107.2	
MEMPHIS	WA4QWW	443.400	+		
MEMPHIS	N4ER	443.950	+	T	☺
MEMPHIS	K4RDK	444.025	+		
MEMPHIS	KF4ATY	444.075	+	107.2	☺
MEMPHIS	KA4JXT	444.100	+	T	☺
MEMPHIS	KA4JXT	444.125	+	T	☺
MEMPHIS	WA4KOG	444.400	+		
MEMPHIS	N4WAH	444.500	+	T	
MEMPHIS	K0JXI	444.800	+		
MEMPHIS	K5FE	444.825	+	107.2	
MEMPHIS	K7AG	444.850	+	T107.2	
MEMPHIS	WB4NNE	444.950	+		
MILAN	WD4PAX	442.100	+		☺
MONTEAGLE MT.	NQ4Y	441.250	+		☺
#MORRISTOWN	KD4LP	444.800	+	UNCOR	
MORRISTOWN	KQ4E	444.975	+	T	
MOUNTAIN CITY	K4DHT	443.925	+	T103.5	☺
MT JULIET	N4PYI	444.400	+	T	☺
MT JULIET	N4PYI	444.750	+	T156.7	☺
MT PLEASANT	KG4GCZ	443.175	+	107.2	
MURFREESBORO	KD4TZZ	441.875	+	107.2	☺
NASHVILLE	AF4TZ	421.250	+		☺
NASHVILLE	K1YJ	442.500	+	T123.0	☺
#NASHVILLE	WB4PUB	443.050	+	UNCOR	
NASHVILLE	KE4PJW	443.450	+	PROP	☺
NASHVILLE	W1ARN	443.725	+	T107.2	☺
NASHVILLE	N4PYI	444.050	+	T107.2	☺
NASHVILLE	AF4TZ	444.150	+	T107.2	☺
NASHVILLE	N4ARK	444.200	+	T	☺
NASHVILLE	N4ARK	444.225	+	T114.8	☺
NASHVILLE	WA4BZU	444.300	+	T107.2	
NASHVILLE	WA4BGK	444.525	+	T107.2	
NASHVILLE	WA4PCD	444.550	+		
NASHVILLE	WA4WCK	444.575	+	T	
NASHVILLE	WA4TOA	444.625	+	T107.2	
NASHVILLE	WA4PCD	444.675	+	T	
NASHVILLE	N4PYI	444.800	+	T110.9	☺
NASHVILLE	WA4AKM	444.875	+	T107.2	
NASHVILLE	WA4AKM	444.975	+	T107.2	
NOLENSVILLE	WA4AXH	443.650	+	T	
OAK RIDGE	K4EAJ	444.400	+	T82.5	☺
OAKFIELD	WA4BJY	442.200	+	T	
ONEIDA	KT4PN	442.825	+		
PALMER	N4ZKR	444.700	+	PROP	☺
PARIS	KC4YLL	442.950	+	123.0	
PARIS	AD4LR	443.675	+		
PIGEON FORGE	KD4CLA	444.350	+	T156.7	
PROSPECT	WA4AUX	444.600	+	T118.8	
PULASKI	WD4RBJ	442.150	+	118.8	☺
RAMER	WB4MMI	444.900	+	T	☺
RCKWOOD/OZONE	WJ9J	442.225	+		☺
ROCKWOOD	KA4WJS	443.975	+		
ROGERSVILLE	K4GX	443.350	+	T	
SELMER	KA4BNI	442.800	+	PROP	☺
SEVIERVILLE	KD4IBW	443.675	+	T100.0	
SEVIERVILLE	N4CKB	444.725	+	T123.0	☺
SHELBYVILLE	WA4PZN	442.700	+	T	
SHELBYVILLE	KC4KRM	443.825	+		
SHRT MT/MURFREB	W4CAT	444.650	+	T107.2	☺
SMITHVILLE	N4PYI	444.825	+	T107.2	☺
SODDY DAISY	WJ9J	444.450	+		☺
SPARTA	KR4BT	444.375	+	123.0	☺
SPENCER	KA4MHJ	443.775	+	123.0	☺
SPRINGFIELD	N8ITF	442.600	+	107.2	
SUMMITVILLE	N4ZKR	444.475	+	T107.2	☺

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
# and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue!

TENNESSEE REPEATERS CONTINUE

SWEETWATER	KG4KIJ	443.725	+	PROP	
TRI-CITIES	KD4PBC	443.150	+	PROP	
WATERTOWN	W4LYR	444.900	+	T100.0	☺
WAVERLY	NO4Q	442.225	+	110.9	☺
WHITE HOUSE	W4KOC	443.900	+	T107.2	
WHITE OAK MT	WD4OAR	442.925	+	100.0	☺
WINCHESTER	W4UOT	443.950	+	T107.2	

920 MHZ

LEWISBURG	KF4TNP	920.500	-		
MORRISTOWN	KQ4E	920.800	-		
NASHVILLE	K4ZGA	923.250	-		

1270 MHZ

LEWISBURG	KF4TNP	1285.300	-		
MEMPHIS	N4HKS	1292.000	-		
NASHVILLE	WA4AKM	1284.400	-		
NASHVILLE	K1YJ	1286.000	-	PROP	☺
NASHVILLE	KD4EEW	439.250	+		
SMITHVILLE	WA4AKM	1286.500	-		

ATV REPEATERS

#JOHNSON CITY	WB4SQC	442.050	+	UNCOR	☺

VIRGINIA

10 METERS

FANCY GAP	KE4QOX	29.660	-	T123.0	☺
NEWPORT NEWS	W4CM	29.600	+		
STERLING PARK	KD4DN	29.680	-		

6 METERS

ALEXANDRIA	W4HFH	53.130	-		
AMELIA	WB3R	53.390	-		
BALD TOP MT	AD4CG	53.910	-		
BEDFORD/THNDR	N4TZE	53.770	-	PROP	
BEDFRD/THAX MT	N4CH	53.150	-		☺
BLUEFIELD	N8RIG	53.370	-	PROP	
BULLRUN	K8GP	53.450	-		
CHESTERFIELD	KD4SUU	53.430	-		
DANVILLE(DCC)	WB4GJG	53.130	-	T	
FANCY GAP	WA4CQK	53.290	-	T100.0	☺
GATE CITY	N4WWB	53.210	-		☺
GUM SPRING	KB4MIC	53.070	-	203.5	☺
HAMPTON	WA4OHX	53.890	-		
LEXNGTN/ROCK MT.	KI4ZR	53.010	-		☺
LYNCHBURG	KE4KEH	53.570	-	103.5	☺
MCCLEAN	K6LEW	53.370	-		
NEWPORT NEWS	KT4QW	53.250	-	T	☺
PEARISBURG	KE4JYN	53.470	-	T107.2	☺
RICE	KE4SFU	53.170	-		☺
ROANOKE	N4CH	53.250	-		☺
ROANOKE/POOR MT	WB8BON	53.090	-		☺
ROCKY MT/FERRUM	WD4KZK	53.270	-	T107.2	☺
VESTA	N4GBO	53.430	-	PROP	
WHITE TOP MTN	KB4YFV	53.650	-		

2 METERS

ABINGDN/BRMLY MT	K4JP	146.610	-		
ABINGDON	NM4L	147.345	+	T103.5	☺
ACCOMAC	K4BW	147.255	+	T156.7	☺
ALEXANDRIA	K4US	146.655	-		
ALEXANDRIA	W4HFH	147.315	+		
ALTAVISTA	WA4ISI	146.655	-		☺
AMELIA	WB3R	145.190	-		
AMHERST	K4CQ	145.490	-	T136.5	☺
ARLINGTON	WB4MJF	145.150	-		
ARLINGTON	WB4MJF	145.470	-		
ARLINGTON	KF4JPC	146.625	-		
BEDFORD	N4CH	145.230	-		☺
BEDFORD	WB4JBJ	147.105	+		☺
BEDFRD/APL ORCH	WA1ZMS	146.685	-	T100.0	☺
BIG "A" MTN	KD4TC	146.805	+	T103.5	☺
BLACKSBURG	W9KIC	146.715	-		☺
BLAND	N4AZJ	145.350	-	T103.5	☺
BLUEFIELD	KD8XK	145.250	-	T100.0	☺
BLUEFIELD	W8MOP	145.490	-		
BLUEFIELD/ONEIDA.	WZ8E	146.955	-	100.0	☺
BLUEMONT	WA4TSC	147.300	+		
BOYDTON	KD4ZTK	147.240	+		
CARBO	KK4MW	147.075	-	PROP	
CHARLOTTESVILLE	WA4TFZ	146.760	-	T151.4	☺
CHARLOTTESVILLE	WA4TFZ	146.925	-	T151.4	☺
CHESAPEAKE	W4CAR	146.610	-		☺
CHESAPEAKE	N4SD	146.790	-		
CHESAPEAKE	W4CAR	146.820	-	T162.2	☺
CHESTERFIELD	KD4KWP	145.310	-		☺
CHESTERFIELD	KA4CBB	147.360	+		☺
CLINCHCO	KB4RFN	147.150	+	T88.5	
#CLINCHCO	WD4CYZ	147.255	+	UNCOR	
COEBURN	AD4OV	145.430	-	103.5	☺
COLONIAL HEIGHTS	KE4EUE	145.390	-	PROP	☺
COVINGTON	WA4HTI	146.805	-		☺
CULPEPER	AF4CY	145.410	-		
CULPEPER	W4CUL	147.120	+		
DANVILE/WHT OAK	K4AU	146.700	-	107.2	☺
DANVILLE(DCC)	WB4GJG	146.925	-	T107.2	
DUBLIN	W4CBM	146.670	-		☺
DULLES AIRPORT	W4DLS	145.310	-		
EASTVILLE	KC4KMY	147.345	+	T156.7	☺
ELK CRK/IRON MT	N4MGC	147.240	+	T107.2	
ENON	WB4VWR	147.060	+	T107.2	
FAIRFAX	K4KXK	146.790	-		
FANCY GAP	NC4BL	146.970	-	T100.0	☺
FARMVILLE	KE4ZBH	145.330	-		
FARMVILLE	KE4ZBH	146.910	-		
FARMVILLE	N4CFA	146.955	-	T136.5	☺
FINCASTLE	W4WIC	146.640	-		☺
FOREST	AG4AN	146.775	-	PROP	
FRANKLIN	W4LG	147.300	+	T131.8	☺
FREDERICKSBUR	K4TS	147.015	+		
GALAX/BRIRP MT	W4BRC	147.090	+		☺
GARRISONVILLE	N4NW	145.270	-		
GATE CITY	N4WWB	146.820	-	T	☺
GLOUCESTER	W4HZL	145.370	-	T	☺
GOOCHLAND	N4TZE	147.090	+		
GREENBAY	K4ARO	145.150	-		
GRUNDY	K4HWQ	147.315	+		
GRUNDY/BIG A MT	KK4EH	146.835	-		☺
GUM SPRING	WB4IKL	147.270	+		☺
HAMPTON	WA4OHX	145.490	-		
HAMPTON	W4QR	146.730	-		
HAMPTON	KA4VXR	147.225	+	T136.5	
HARRISONBURG	N4YET	145.130	-		
HARRISONBURG	N4RAG	146.895	-		
HARRISONBURG	N4RAG	147.225	+		
HARRISONBURG	N4YET	147.315	+		
HIGH KNOB MT	K4QZJ	145.210	-		
JARRATT I-95	K4SVA	146.625	-	T100.0	☺
KILMARNOCK	W4GSF	146.835	-	PROP	☺
KINGS CROSSING	N5GQD	147.150	+		
LEXINGTON	KI4ZR	147.300	+	131.8	☺
LEXNGTN/ROCK MT.	KI4ZR	147.330	+		☺
LURAY	KE4JSV	147.030	+		
LYNCHBURG	KC4RBA	145.370	-	186.2	☺
LYNCHBURG	W4WWQ	146.610	-	136.5	☺
LYNCHBURG	AB4M	147.015	-	T131.8	☺
LYNCHBURG	WA4RTS	147.195	+	T136.5	☺
MANASSAS	W4OVH	146.970	-		
MARION	N4QLF	146.640	-	T103.5	
MARTINSVILLE	KF4KVG	147.285	+	T107.2	☺
MCLEAN	W4CIA	147.210	+		
MECHANICSVILLE	W4TTL	146.805	-	PROP	☺
MONTEREY	WD4ITN	147.180	+	T100.0	☺
MONTPELIER	KQ4RH	145.250	-	T	☺
MOUNTAIN LAKE	WZ8E	146.865	+	110.9	☺
MT.LAKE/BALD KNB	K4TUE	146.910	-	107.2	☺
NASA LANGLEY	KG4NJA	146.670	-	173.8	
NEWMARKET	W3MMC	146.625	-		
NEWPORT NEWS	W4MT	145.230	-	T100.0	☺
NEWPORT NEWS	W4CM	147.165	+		
NORFOLK	WA4ZUA	145.170	-	136.5	
NORFOLK	W4VB	145.330	-		☺
NORFOLK	KF8PT	146.700	-	PROP	
NORFOLK	AD4ZK	147.075	+		
NORTON	KF4VDF	146.865	-	T103.5	☺
NORTON/HIGH KNB	K4AXO	147.015	-	T88.5	
PAGECO	KD4DDI	146.670	-		
PATRICK SPRINGS	WG8S	147.120	+	T107.2	☺
PEARISBURG	N4AZJ	147.135	+	T100.0	☺
PEARISBURG	W4NRV	147.375	+	T100.0	☺
PETERSBURG	KE4SCS	146.985	-	T127.3	☺
PETERSBURG	K4ARO	147.390	+		
PKS KB/PULASKI	N4NRV	147.180	+	T103.5	☺
PORTSMOUTH	W4POX	145.390	-	PROP	
PORTSMOUTH	W4POX	146.850	-		☺
QUANTICO	#W4NFR	147.345	+		
RADFORD/RINER	N3ZE	145.150	-		☺
RICHMOND	K4YPE	145.110	-		☺
RICHMOND	W4SQT	145.430	-		☺
RICHMOND	WB4QEY	146.640	-		
RICHMOND	W4RAT	146.880	-		☺
RICHMOND	W4ZA	146.940	-		☺
RICHMOND	WA4JST	147.030	-		
RICHMOND	KC4VDZ	147.135	+	T107.2	☺
ROANOKE	N2EDE	145.210	-	107.2	☺
ROANOKE	N4AP	146.940	-		
ROANOKE/POOR MT	K4ARO	145.390	-	T107.2	
ROANOKE/POOR MT	K4ROA	146.745	-	T107.2	☺
ROANOKE/POOR MT	W4CA	146.985	-		
ROANOKE/POOR MT	KB4QWO	147.270	+		☺
RUSTBURG	N4UTN	145.290	-	T	☺
RUSTBURG/LONG MT	N4UTN	146.835	-	T173.8	☺
SALEM	WA4V	146.880	-		
SALUDA	AA4HQ	145.450	-		☺
#SMITHFIELD	WT4RA	147.195	+	UNCOR	☺
SOUTH BOSTON	KF4LWH	145.350	-		
SOUTH BOSTON	KF4AGO	147.060	-		
SOUTH HILL	N4ZCM	145.470	-		
SPOTSYLVANIA	K4MQF	146.775	-		
STAUNTON	KD4KAU	145.450	-	T131.8	
STAUNTON	KD4WWF	146.700	-	T131.8	
STAUNTON	WA4ZBP	146.850	-	T131.8	
STAUNTON	W4WRN	146.970	-		
STAUNTON/EL.KB	KE4CKJ	147.045	+	T131.8	☺
STERLING	WA4TXE	146.700	-		
STUARTS DRAFT	KB4OLM	147.360	+		
SUFFOLK	W4LG	147.000	-	T100.0	☺
TYSONS CORNER	KF4QQP	146.910	-		
VIENNA	K4HTA	146.685	-		
VIRGINIA BEACH	WA4KXV	146.895	-		☺
VIRGINIA BEACH	WA4KXV	146.970	-		☺
VIRGINIA BEACH	WA4SBC	147.045	+		
WALKERTON	W4TTL	146.715	-		☺
WARRENTON	KB3BOI	145.350	-		
WARRENTON	NZ4N	147.165	+		
WARSAW	KA4ZIP	147.285	+		☺
WAYNESBORO	W4PNT	147.075	+		☺
WILLIAMSBURG	KF4ADM	145.410	-	127.3	
WILLIAMSBURG	K4RC	146.670	-	T	
WILLIAMSBURG	KB4ZIN	146.760	-		☺
WILLIAMSBURG	KB4ZIN	147.105	+		☺
WINCHESTER	KB3BOI	145.350	-		
WINCHESTER	W4RKC	146.820	-		
WOODBRIDGE	W4IY	147.240	+		
WYTH/WALKER MT	WB3T	146.895	-	T103.5	☺
WYTHEVILLE	WB3T	146.775	-	T107.2	☺

220 MHZ

ARLINGTON	WB4MJF	224.060	-		
ARLINGTON	WB4MWF	224.620	-		
BEDFORD	N4PLV	224.840	-		☺
BEDFRD/APL ORCH	WA1ZMS	224.180	-	T100.0	☺
BELL KNOB	WD4KHP	224.440	-		
BERRYVILLE	WD4KHP	224.400	-		
BERRYVILLE	WD4KHP	224.740	-		
BLUEFIELD	N8FWL	224.440	-	T123.0	☺
BLUEFIELD	WA8O	224.920	-		
BLUEMTN	KF4VED	224.160	-		
CHARLOTTESVILLE	N4HRV	224.140	-	T88.5	☺
CHARLOTTESVILLE	WA4TFZ	224.760	-		☺
CHESAPEAKE	W4LG	224.980	-	PROP	☺
DELTAVILLE	AA4HQ	224.900	-		☺
FAIRFAX	WB4YHD	224.100	-		
FANCY GAP	K4DQ	224.880	-	T100.0	☺
GLOUCESTER	W4GSF	224.620	-		☺
HAMPDEN-SYDNEY	W4JAS	224.200	-		
HAMPTON	WB4PVT	224.540	-	T100.0	☺
HARRISONBURG	N4YET	224.820	-		
HAYMARKET	WD4KHP	224.420	-		
HAYMARKET	WD4KHP	224.720	-		
LAKE GASTON	W4LG	224.600	-		☺
LEESBURG	N0NW	224.020	-		
LOVETTSVILLE	WB4FUJ	224.460	-		
LURAY	KE4JSV	224.360	-		
LYNCHBURG	AB4M	224.280	-		☺
MANASSAS	W4OVH	224.660	-		
MARTINSVILLE	K4RCA	224.500	-		
NORFOLK	KC4JGC	224.740	-	T100.0	
NORTON/HIGH KNB	WD4GSM	224.420	-		
PATRICK SPRINGS	WG8S	224.420	-	T103.5	☺
PEARISBURG	KQ4Q	224.860	-	107.2	
PETERSBURG	K4ARO	224.700	-		
RIDGEWAY	WS4W	224.380	-	T	
ROANOKE	N4CH	224.100	-		☺
ROANOKE/CAHAS MT	AB4EM	224.940	-		
ROANOKE/TINKER	K4YDG	224.900	-		☺
STAUNTON/EL KNOB	KE4CKJ	224.300	-	T131.8	☺
TYSONS CORNER	KM4OI	224.340	-		
TYSONS CORNER	WD4KHP	224.420	-		
WAYNESBORO	KA4RCL	224.680	-	T131.8	
WINCHESTER	N3HXT	224.220	-		
WOODBRIDGE	W4IY	224.780	-		
WYTHEVILLE	K4YW	224.560	-	T77.0	☺

440 MHZ

ABINGDON	KB8KSP	442.975	+	T100.0	☺
ABINGDON	WB3T	444.025	+	PROP	☺
ACCOMACK	K4BW	444.300	+	T156.7	☺
ALTAVISTA	WA4ISI	444.425	+	100.0	☺
AMELIA	KB4YKV	443.200	+		
ARLINGTON	KD4DSX	448.625	-		
ARLINGTON	W8HNT	449.325	-		
ARLINGTON	WB4MJF	444.150	+		
ARLINGTON	K4AF	444.550	+		
BASSETT	KF4RMT	442.725	+	T	
BEDFORD	N4CH	444.350	+		☺
BEDFRD/APL ORCH	WA1ZMS	442.650	+	T100.0	☺
BEDFRD/APL ORCH	WA1ZMS	443.800	+	T100.0	☺
BELL KNOB	WD4KHP	449.825	-		
BENT MT	K4YD	443.675	+	T107.2	
BERRYVILLE	WB2KPH	447.475	-		
BIG A MTN	KB4WTP	444.875	+		☺
BLUEFIELD	W8MOP	442.450	+	PROP	
BLUEFIELD	W8MOP	444.450	+		☺
BLUEFIELD	WZ8E	444.625	+		☺
BLUEMONT	WA4TSC	449.925	-		
BLUEMONT	WA4TSC	449.925	-		
BULL RUN MT	WA3KOK	447.775	-		
CHARLOTTESVILLE	KF4UCI	442.075	+	151.4	☺
CHARLOTTESVILLE	WA4TFZ	444.250	+	T151.4	☺
#CHARLOTTEVILLE	KF4UCI	444.775	+	UNCOR	
CHESAPEAKE	W4CAR	444.000	+	T162.2	☺
CHESTERFIELD	WA3KOK	433.075	+	PROP	
CHESTERFIELD	KA4CBB	442.150	+		☺
CHESTERFIELD	WA3KOK	442.450	+	PROP	

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . conclude!

VIRGINIA REPEATERS CONTINUE

COPPER RIDGE	KB4WTP	444.550	+	PROP	☺
COVINGTON	WA4PGI	442.250	+	T100.0	☺
DALE CITY	N8BOR	443.100	+		
DANVILE/WHT OAK	K4AU	444.700	+		☺
DANVILLE	KQ4I	443.850	+		☺
DISMAL PEAK	WB3T	443.325	+	T103.5	☺
ENON	WB4VWR	444.200	+		
ENON	W4RDF	444.275	+	T114.8	
FAIRFAX	K4HTA	448.375	-		
FAIRFAX	WD4KHP	449.775	-		
FALLS CHURCH	WB4UNB	447.425	-		
FALLSCHURCH	KF4LWJ	444.300	+		
FANCY GAP	WD4ICX	433.200	+		
FANCY GAP	WB3T	444.050	+	T103.5	☺
FANCY GAP	N4OWU	444.375	+	T107.2	☺
FANCY GAP	WA4CQK	444.900	+	PROP	☺
FANCY GAP	KD4FWS	444.925	+	100.0	
FOREST	AG4AN	442.475	+	PROP	
FOREST	WD4KQI	444.750	+		☺
FRONT ROYAL	N4MKH	449.225	-		
GASBURG	W4LG	442.000	+		☺
GATE CITY	N4WWB	444.700	+		☺
GLOUCESTER	N4XND	421.250	+		
GRETNA/SMITH MT	KD4TBC	444.075	+	T123.0	
GUM SPRING	KB4MIC	442.800	+		☺
HAMPTON	WA4OHX	443.750	+	100.0	
HAMPTON	W4QR	444.550	+	T167.9	
HARRISONBURG	N4YET	444.600	+		
HAYMARKET	KT4ER	448.325	-		
HAYMARKET	N3AUY	449.025	-		
HERNDON	N4LXI	443.000	+		
HIGHKNOB	N1TXI	447.725	-		
HILLSVILLE	KB4YFV	442.125	+	T103.5	
INDEPENDENCE	KF4ZIG	443.375	+	T103.5	☺
JONESVILLE	WB4IVB	442.575	+	T100.0	
LEXINGTON	KI4ZR	444.300	+		☺
LEXNGTN/ROCK MT.	KI4ZR	444.150	+		☺
LORTON	WD4KHP	449.725	-		
LYNCHBG/JACK MT.	KF4YI	442.400	+	T107.2	
LYNCHBRG/TOB MT	K4CQ	444.500	+	T136.5	☺
LYNCHBURG	KB4CVN	420.050	+	136.5	
LYNCHBURG	K4CQ	923.250	-		☺
LYNCHBURG	AB4FU	442.950	+	T	☺
LYNCHBURG	KC4RBA	443.450	+	186.2	☺
LYNCHBURG/T.ROW	N4IFC	442.200	+	T103.5	
MADISON	N8HON	444.400	+		
MANASSAS	W4OVH	442.200	+		
MARION	WB3T	443.125	+	T103.5	☺
MARTINSVILLE	KF4RMT	443.825	+	T107.2	
MEADOWS OF DAN	WG4R	444.250	+	T103.5	☺
NASA LANGLEY	KG4NJA	443.650	+	PROP	
NEWPORT	K4TUE	441.950	+	PROP	
NEWPORT NEWS	W4MT	442.900	+	T100.0	☺
NORFOLK	K4DA	442.950	+	PROP	
NORFOLK	AD4ZK	444.475	+	T127.3	
NORFOLK	WD4MIZ	444.675	+	T107.2	
OILVILLE	KB4MIC	444.800	+		☺
PATRICK SPRINGS	WG8S	443.175	+		☺
PATRICK SPRINGS	KC3FB	443.750	+	T77.0	
PEARISBURG	N4AZJ	444.975	+	T103.5	☺
PETERSBURG	K4ARO	442.600	+		
PETERSBURG	WB4KZI	443.825	+		
PORTSMOUTH	W4POX	443.800	+		☺
POUND	KF4VDF	444.850	+	T103.5	☺
POWHATAN	KN4YM	443.100	+		
PULASKI	KE4CIF	442.775	+	T	☺
QUANTICO	N3QEM	447.975	-		
RICHMND/CHLTVL	N4EHJ	444.650	+		☺
RICHMOND	WA4AYB	441.600	+	PROP	
RICHMOND	KC4VDZ	442.300	+	T114.8	☺
RICHMOND	W4RAT	442.550	+	T127.3	☺
RICHMOND	AB4SF	444.850	+	T	☺
ROANOKE	K4ARO	442.600	+	T	
ROANOKE	W7CP	442.700	+	T	☺
ROANOKE	K4NRW	444.175	+	T103.5	
ROANOKE	WB3T	444.325	+	T103.5	☺
ROANOKE/MILL MT	WD4KZK	442.750	+	T107.2	☺
ROANOKE/POOR MT	W4CA	442.500	+		
ROANOKE/POOR MT	KA4IXK	442.850	+		☺
ROANOKE/READ MT	WD4KZK	444.850	+	T107.2	☺
ROANOKE/TINKER M	WB8BON	444.925	+		☺
SILER	WA4RS	449.175	-		
SLINGS GAP	WD4KZK	444.775	+	T107.2	☺
SOUTH BOSTON	KF4AGO	443.925	+		
SOUTH BOSTON	KF4LWH	444.625	+		
SOUTH HILL	KD4MJO	443.525	+	100.0	☺
SPOTSYLVANIA	N2XHZ	447.875	-		
SPOTSYLVANIA	KD4QNA	442.700	+		
SPOTSYLVANIA	K4MQF	442.850	+		
STAFFORD	K4HR	444.450	+		
STAUNTON	WA4ZBP	444.825	+	T131.8	
STAUNTON/EL KNOB	KE4CKJ	444.100	+	T131.8	☺
STERLING	WA4TXE	442.100	+		
STUARTS DRAFT	KB4OLM	444.050	+		
TYSONS CORNER	KA3RQR	447.025	-		
TYSONS CORNER	KM4FI	443.500	+		
VIENNA	N4KOU	444.850	+		
VIRGINIA BEACH	WA4KXV	444.950	+		☺
WAYNESBORO	N3XA	426.250	+		
WHITETOP MT	KM4X	443.000	+	T103.5	☺
WILLIAMSBURG	N3ELM	443.550	+	T100.0	☺
WILLIAMSBURG	KB4ZIN	444.100	+		☺
WILLIS	W4DUM	443.875	+		
WINCHESTER	W4RKC	448.775	-	146.2	☺
WINCHESTER	W4RKC	448.775	-		
WINCHESTER	W3CSG	442.000	+		
WINTERGREEN	K4CQ	444.550	+	T136.5	☺
WOODBRIDGE	W4IY	444.900	+		
WYTHE/WALKER MT	WB3T	442.000	+	T103.5	☺
WYTHEVILLE	WB3T	442.525	+	103.5	☺

920 MHZ

ALEXANDRIA	WA4CCF	919.600	-		
BEDFRD/APL ORCH	WA1ZMS	921.100	-	T100.0	☺
CULPEPER	KA4DCS	919.400	-		
LYNCHBRG/TOB MT	K4CQ	921.000	-	T100.0	☺
ROANOKE/POOR MT	WD4KZK	919.500	-	107.2	☺
TYSONS CORNER	K6LEW	919.500	-		
WOODBRIDGE	KA4DCS	919.800	-		

1270 MHZ

BEDFRD/APL ORCH	WA1ZMS	1283.100	-	T100.0	☺
ROANOKE/POOR MT	N4CH	1291.020	-		☺

2.4GHz

BEDFRD/APL ORCH	WA1ZMS	2411.600	+		☺

WEST VIRGINIA

10 METERS

BECKLEY	KA8OTX	29.620	-		
BECKLEY	KE4QOX	29.680	-	T88.5	☺
CHARLESTON	WB8CQV	29.640	-	203.5	
RICHWOOD	WA8YWO	29.660	-	T100.0	

6 METERS

ALDERSON	WV8BD	53.190	-		
BECKLEY	N8FWL	53.170	-	T123.0	☺
BECKLEY	WB8YST	53.590	-	T107.2	☺
CEREDO	KC8PFI	53.870	-		
CHARLESTON	WB8YST	53.630	-	T107.2	☺
FLATWOODS	N8CQQ	53.110	-	PROP	
GASSAWAY	AB8WB	53.210	-	T123.0	
LEWISBURG	KC8LRN	53.930	-	T131.8	☺
MARMT/CHARLSTN	N8PEI	53.750	-	T141.3	
RICHWOOD	WB8YST	53.710	-	T107.2	☺
SHIRLEY	KB8TJH	53.310	-		
SNOWSHOE	KC8CSE	53.330	-	T156.7	

2 METERS

AMBER RIDGE	KB8NJH	147.210	+	T107.2	☺
BECKLEY	KC8AFH	146.700	-	123.0	☺
BECKLEY	N8FWL	147.360	+	T123.0	☺
BECKLEY/BOLT MT	WV8B	145.170	-	T100.0	
BECKLEY/EOC	WV8BD	145.370	-		
BECKLEY/FLAT TOP	WV8BD	146.850	-		
BECKLEY/LAYLAND	N8FCJ	145.310	-	T100.0	
BECKLEY/OAK HILL	N8FWL	145.230	-	T100.0	☺
BERKELEY SPRINGS	KK3L	146.745	-		
BIRCH RIVER	N8FMD	145.270	-	T103.5	☺
BRIDGEPORT	WB8DKM	147.120	+	T	☺
BUCKHANNON	N8FHE	145.410	-		☺
BUCKHANNON	N8ZAR	146.850	-		
BUCKHANNON	N8ZAR	147.060	+	123.0	
CAPON MT	N8YIB	147.435	-		
CHARLESTON	W8GK	145.350	-	91.5	☺
CHARLESTON	WB8YST	145.430	-	T107.2	☺
CHARLESTON	WB8CQV	146.820	-	T192.8	
CHARLESTOWN	N8EIV	146.985	-		
CLARKSBURG	N8FMD	146.685	-	T103.5	☺
CLARKSBURG	N8FMD	147.210	+	T103.5	☺
COWEN	KC8ECX	146.835	-	110.9	
DANVILLE	WB8NAM	146.685	-	T	
DAVIS	KE8MR	147.135	+	T103.5	☺
ELKINS	WJ8G	145.230	-	T103.5	☺
ELKINS	KB8BWZ	146.775	-		
FAIRMONT	W8SP	145.350	-	T103.5	
FENWICK	KD8AB	146.940	-		
FLAT TOP/WINTRPL	WV8B	146.625	-	T100.0	
FLATWOODS	N8ZPX	146.655	-	T123.0	☺
FRANKLIN	W3RUA	147.345	+		☺
FROST	N8RV	145.110	-	107.2	☺
GASSAWAY	WB8MZI	146.610	-		☺
#GASSAWAY	AB8WB	147.240	+	UNCOR	
GLENVILLE	N8OYY	145.130	-		☺
GLENVILLE	WB8WV	145.290	-		☺
GRAFTON	WD8LNB	147.375	+	118.8	☺
HARISVL/PENSBRO	WB8NSL	147.300	+	T100.0	
HARPER'SFERRY	KB3BOI	145.350	-		
HINTON	KC8CNL	147.255	+	100.0	☺
HUNTINGTON	WB8FEQ	145.210	-	162.2	
HUNTINGTON	W8VA	146.760	-	T131.8	☺
HUNTINGTON/CHAS	N8HZ	146.640	-		☺
IAEGER	N8SNW	146.655	-	T203.5	
KEYSER	N8RCG	147.390	+	123.0	☺
#LENORE	KF8HL	145.390	-	UNCOR	
LEON	WD8OHX	147.180	+		
LEWISBURG	WB8SPW	146.730	-	T100.0	
LEWISBURG	N4RAG	146.760	-	T131.8	
LEWISBURG	WV8D	147.390	+	T100.0	
LOGAN SOUTH	NV8H	147.195	+	100.0	
LOGAN/SUMERCO	NU8K	147.345	+		
LOGAN/WRD RK MT	WA8RSY	146.970	-		
MADISON	WB8NAM	147.120	+	T	
MARLINTON	N4RAG	147.090	+	131.8	
MARTINSBURG	WA8FSE	145.150	-		
MARTINSBURG	WB8YZV	147.255	+		
MARTINSBURG	K3MAD	147.345	+		
MCMECHEN	N8BQ	146.910	-		☺
MIDDLEBOURNE	WV8TC	147.360	+	T110.9	☺
MOOREFIELD	KD4SZR	145.190	-		
MORGANTOWN	K8LG	145.430	-		
MORGANTOWN	W8CUL	146.760	-		☺
MORGANTOWN	KE8MR	147.075	+	T103.5	☺
MT. ZION	N8LGY	145.450	-	T107.2	☺
MULLENS	KC8IT	147.030	+		
NEW MARTINSVILE	KF8LL	146.985	-		
OAK HILL	NM8T	146.790	-		☺
PARKERSBURG	WV8G	145.490	-		
PARKERSBURG	WC8EC	147.255	+		☺
PARKERSBURG	WD8CYV	147.390	+	T141.3	
PARKERSBURG (OH)	N8NBL	146.970	-		
PARSONS	K8VNQ	145.370	-	T118.8	☺
PHILIPPI	K8VE	145.150	-	103.5	☺
PINEVILLE	W8LG	147.285	+		
PRINCETON	KA8PNC	147.060	-		☺
PRINCETON	WB8NRK	147.225	+	T114.8	☺
PRINCETON/PIPEST	WD8OGY	146.925	-		
RAVENSWOOD	WD8JNU	146.670	-		☺
RED HOUSE	WV8AR	145.410	-	T123.0	☺
RICHWOOD	WB8YJJ	145.190	-	T	
RICHWOOD	AA8TH	147.015	+	T	
RICHWOOD	KB8YDG	147.150	+	T100.0	
ROCKPORT	KC8TLG	147.135	+	T123.0	
SALT ROCK	K8SA	145.110	-	T110.9	
SCOTT DEPOT	WV8AR	147.270	+	123.0	☺
SHIRLEY	KB8TJH	145.310	-	T	
SKYLINE	K7SOB	147.360	+	T127.3	
SMITHERS	NM8T	147.075	-		☺
SO. CHARLESTON	WB8CQV	146.880	-	203.5	
SPENCER	KA8AUW	147.105	+	100.0	☺
SPRUCE KNOB	N8HON	147.285	+		☺
ST.MARYS/BENS RG	WB8ECC	147.030	+		
TERRA ALTA	KD8ZR	147.000	+	T	☺
UNION	W8IFL	145.410	-		
WEIRTON	W8CWO	146.940	-		☺
WELCH	K8KRS	145.450	-		☺
WESTON	WD8EOM	145.390	-		
WESTON	KA8TCF	147.165	+		
WHEELING	KA8YEZ	145.190	-	156.7	
WHEELING	W8ZQ	146.760	-		☺
WILLIAMSON	WR8M	145.330	-	T100.0	☺

220 MHZ

ANSTED	N8FWL	224.840	-	123.0	☺
BECKLEY	N8FWL	224.240	-	T123.0	☺
BECKLEY - SOUTH	N8FWL	224.740	-	PROP	☺
BECKLEY - WEST	N8FWL	224.540	-	123.0	☺
BECKLEY/OAK HILL	N8FWL	224.340	-	T123.0	☺
BERKELEY SPRINGS	KA3VLG	224.700	-		
CHARLESTON	WB8YST	224.360	-	107.2	☺
CHARLESTON	WS8L	224.700	-	T123.0	☺
FLAT TOP/WINTRPL	WV8B	224.120	-	100.0	
GREENBANK	KC8CSE	224.560	-	PROP	
HILLSBORO	KC8LRN	224.220	-	T131.8	☺
HINTON/BECKLEY	N8FWL	224.640	-		☺
#LEON	WD8OHX	223.780	-	UNCOR	
LEWISBURG	KC8LRN	224.800	-	T131.8	☺
SLATY FORK	KC8LRN	224.720	-	91.5	☺
SUTTON	W8COX	224.400	-	T123.0	
WILLIAMSON	WR8M	224.140	-		☺

440 MHZ

ALDERSON/SAM BLK.	N8LVE	444.400	+	T100.0	
BECKLEY	N8FWL	443.050	+	T123.0	☺
BECKLEY	N8LVE	444.125	+	T	
BECKLEY/BOLT	W8LG	443.225	+		
BECKLEY/OAK HILL	WV8B	444.800	+	100.0	☺
BECKLY/OAK HILL	KE4QOX	443.100	+	T107.2	☺
BELINGTON	N8SCS	444.900	+	141.3	☺
BERKELEY SPRINGS	WA3KOK	442.450	+		
BLUEFIELD	WZ8E	443.625	+	100.0	☺
BUCKHANNON	N8ZAR	444.250	+		
CEREDO	KC8PFI	443.600	+		
CHARLESTON	KB8QKM	442.925	+	71.9	
CHARLESTON	WS8L	443.300	+	T123.0	☺
CHARLESTON	WV8AR	444.225	+	T123.0	☺
CHARLESTON	WB8YST	444.350	+	T107.2	☺
CLARKSBURG	N8FMD	444.175	+	T103.5	☺
DANS MT	N8YIB	145.330	+		
DUNMORE	KC8CSE	444.275	+	123.0	
FAIRMONT	W8SP	443.875	+		
FLATWOODS	N8ZVK	444.200	+		☺
GASSAWAY	AB8WB	444.675	+	T123.0	
GILBERT	KB8PCW	442.725	+	T	
GLENVILLE	KA8ZXP	444.325	+		

WEST VIRGINIA REPEATERS CONTINUE

HERNSHAW	WB8CQV	444.700	+	203.5	
HUNTINGTON	WA4GSS	421.250	+		
HUNTINGTON	N8HZ	443.000	+		☺
HUNTINGTON	KB8TGK	443.850	+	T88.5	
HUNTINGTON/CHAS	WB8ZER	444.850	+	T131.8	
HURRICANE	K8OJC	444.075	+		
KEYSER	N8RCG	444.125	+	103.5	☺
LEWISBURG	KF8FO	444.725	+	T103.5	
LOGAN	KE4QOX	444.900	+	T107.2	☺
MORGANTOWN	K8LG	444.700	+		
MORGANTOWN	W8CUL	444.800	+		☺
MULLENS	KC8IT	444.000	+		
OAK HILL	KA8OTX	443.800	+		
PARKERSBURG (OH)	N8ILO	444.100	+		
PENNSBORO	WB8NSL	442.850	+	T103.5	
PRINCETON	KB8UJG	443.700	+	T123.0	
RICHWOOD	K8VKB	442.275	+	PROP	
RICHWOOD	KC8SDN	443.075	+	PROP	
RICHWOOD	KC8SDN	443.375	+	T123.0	
RICHWOOD	KB8YDD	443.475	+		
RICHWOOD	KC8AUY	443.575	+	T	
ROCKPORT	N8LHL	443.350	+	T123.0	
SHIRLEY	KB8TJH	444.425	+	T	
SO. CHARLESTON	WB8CQV	444.950	+	203.5	
ST. ALBANS	K8MHR	443.150	+		
WELCH	N8SNY	443.725	+		☺
WESTON	N8FIP	443.975	+		
WESTON	KA8TCF	444.600	+		
WHEELING	KB8QHO	421.250	+		
WHEELING	KA8YEZ	443.025	+	77.0HZ	
WHEELING	N8EKT	444.975	+		

Limited FULL MEMBERS FROM NON-SERA STATES

6 METERS

CONCORD, NH	KA1OKQ	53.590	-	71.9	☺

2 METERS

CONCORD, NH	KA1OKQ	147.225	+	T100.0	☺
DELAND, FL	KD4UTV	147.045	+	T103.5	☺
WINCHESTER, VA	W4RKC	146.820	-		☺

220 MHZ

CONCORD, NH	KA1OKQ	224.800	-	T103.5	☺

440 MHZ

CONCORD, NH	KA1OKQ	448.775	-	T82.5	☺
MADISON, VA	N8HON	444.400	+		☺
MCKINNEY, TX	KF5TU	442.350	+	T100.0	☺
PEMBROKE, NH	KA1OKQ	444.150	+		☺
PETERBORO, NH	KA1OKQ	443.350	+	T110.9	☺

SYMBOLS: ☺ = Full Member SERA T = Tone Accessed (plus tone freq)
# and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER INDEX LISTINGS BY FREQUENCY

10 METERS

29.6200 / 29.5200			
W3PS	CHESTER, PA	156.7	ZZ
29.6000 / 29.6000			
W4CM	NEWPORT NEWS		VA
29.52 0 / 29.6200			
KF4XH	#MACON		GA
29.5200 / 29.6200			
KQ4XL	MONROE		GA
K4XYZ	BUCKHORN LAKE	103.5	KY
KC4XE	WILKESBORO		NC
WB4IUY	ZEBULON		NC
W4ZJM	MEMPHIS	*#	TN
AJ4D	TELLICO PLAINS	141.3	TN
KA8OTX	BECKLEY		WV
29.5400 / 29.6400			
KK4CZ	LOUISVILLE		KY
KB5MPW	BAY SAINT LOUIS	136.5	MS
KE4QOX	HIGH POINT	103.5	NC
W4CAT	GALLATIN/BNA	107.2	TN
WB4NKM	GREENEVILLE		TN
WB8CQV	CHARLESTON	203.5	WV
29.5600 / 29.6600			
WR4MG	WARNER ROBINS		GA
K4GRW	NEWPORT		NC
N4JEH	ROCKY MOUNT		NC
W4GL	SUMTER		SC
KE4QOX	FANCY GAP	123.0	VA
WA8YWO	RICHWOOD	100.0	WV
29.5800 / 29.6800			
AI8H	CONYERS		GA
N4BZJ	DALTON		GA
KB0Y	VALDOSTA	141.3	GA
KA4UHL	INGLE	146.2	KY
WW4DC	THOMASVILLE	88.5	NC
N8ITF	SPRINGFIELD	88.5	TN
KE4QOX	BECKLEY	88.5	WV

6 METERS

52.5500 / 51.5500			
WB4JEH	#CONYERS	151.4	GA
51.2000 / 51.7000			
WA4YNZ	#CUMMING		GA
51.4400 / 51.9400			
KC5BMJ	KINGSLAND	82.5	GA
53.0250 / 52.0250			
WB4LBR	LOUISVILLE		KY
52.5250 / 52.5250			
WW4DC	THOMASVILLE	88.5	NC
52.0100 / 53.0100			
W3LAP	COCHRAN	77.0	GA
WA4YNZ	#ROSWELL		GA
KC4QK	ASHLAND	107.2	KY
N5EKR	ELLISVILLE		MS
KE4QOX	THOMASVILLE	88.5	NC
N4FV	GREENEVILLE	100.0	TN
WA4KOG	MEMPHIS		TN
WA4BGK	NASHVILLE	114.8	TN
KI4ZR	LEXNGTN/ROCK MT.		VA
52.0300 / 53.0300			
W4WTA	AUGUSTA		GA
K4ITL	RALEIGH		NC
KF4FTD	MORRISTOWN		TN
52.0500 / 53.0500			
KC4JNN	BISKEY MT.	100.0	GA
AB5MU	NETTLETON	192.8	MS
N4JEH	ROCKY MOUNT		NC
WA4PXV	SPRUCE PINE	151.4	NC
WA4BGK	GALLATIN	114.8	TN
52.0700 / 53.0700			
WB4AEG	CARTERSVILLE	123.0	GA
KB4PTJ	WILLIAMSBURG	100.0	KY
KD4FWS	MT.AIRY/FANCY GP	100.0	NC
KB4MIC	GUM SPRING	203.5	VA
52.0900 / 53.0900			
KD4DKW	ATL/MARIETTA	151.4	GA
N4ALG	NICHOLASVILLE	103.5	KY
KF4IXW	REELSBORO	162.2	NC
K4NOC	BISHOPVILLE		SC
KD4PBC	SEVIERVILLE		TN
NO4Q	WAVERLY		TN
WB8BON	ROANOKE/POOR MT		VA
52.1100 / 53.1100			
W4GR	LAWRENCEVILLE	82.5	GA
KC4YOT	GASTONIA		NC
KD4BGD	LUMBERTON		NC
K4SER	TARBORO		NC
WD4GYN	OAK RIDGE		TN
N8CQQ	FLATWOODS		WV
52.1300 / 53.1300			
N4BZJ	DALTON		GA
N4EQT	LAWRENCEBURG	107.2	KY
W4FOT	HENDERSONVILLE	100.0	NC
KG4IBW	DRESDEN	107.2	TN
W4HFH	ALEXANDRIA		VA
WB4GJG	DANVILLE(DCC)		VA
52.1500 / 53.1500			
KA5WZY	ATLANTA		GA
K4USC	UNION		SC
WB4IOB	KNXVL/ENG MT		TN
N5YKR	LEXINGTON	100.0	TN
N8ITF	SPRINGFIELD	107.2	TN
N4CH	BEDFRD/THAX MT		VA
52.1700 / 53.1700			
WW4DC	THOMASVILLE	88.5	NC
K4BGW	LAFOLLETTE		TN
KE4SFU	RICE		VA
N8FWL	BECKLEY	123.0	WV
52.1900 / 53.1900			
W4BAD	RALEIGH		NC
KN4AS	LITTLE MOUNTAIN	156.7	SC
WA4UCE	COOKEVILLE		TN
WV8BD	ALDERSON		WV
52.2100 / 53.2100			
N1KDO	MARIETTA	79.7	GA
N4QLX	SAURATOWN MT		NC
AD4U	ORANGEBURG		SC
N4WWB	GATE CITY		VA
AB8WB	GASSAWAY	123.0	WV
52.2300 / 53.2300			
KD4JFN	PITTSBORO	107.2	NC
KA4ZKL	GUTHRIE (TN/KY)		TN
KQ4E	MORRISTOWN		TN
52.2500 / 53.2500			
KF4BMG	MARIETTA	79.7	GA
KI4D	ROCK HILL	123.0	SC
WA4YON	#KNOXVILLE		TN
KT4QW	NEWPORT NEWS		VA
N4CH	ROANOKE		VA
52.2700 / 53.2700			
KC4CBQ	HIAWASSEE	186.2	GA
KA4UHL	NANCY	100.0	KY
WD4BQW	ASHEVILLE		NC
N5CWH	LEESVILLE	162.2	SC
WD4KZK	ROCKY MT/FERRUM	107.2	VA
52.2900 / 53.2900			
K4PLM	#PINE LOG MT.	198.2	GA
KF4UAQ	LOUISVILLE		KY
KF4SXO	CHESTER		SC
WA4CQK	FANCY GAP	100.0	VA
52.3100 / 53.3100			
K4SER	WILLIAMSTON		NC
KG4BZN	WALTERBORO	123.0	SC
KD4SQB	ROAN MTN		TN
KB8TJH	SHIRLEY		WV
52.3300 / 53.3300			
KD4FVI	CRAWFORD	88.5	GA
AD4CC	HIGHLAND HEIGHTS	123.0	KY
W4TLP	CLINTON		NC
KC8CSE	SNOWSHOE	156.7	WV
52.3500 / 53.3500			
WR4AMS	DORTON		KY
WR4BEG	SOPHIA/RANDLEMAN		NC
K4VCM	CHATTANOOGA		TN
52.3700 / 53.3700			
W4ZO	MONROE	100.0	NC
KD4MYE	YOUNGSVILLE		NC
KC4PDQ	MARYVILLE		TN
N8RIG	BLUEFIELD		VA
52.3900 / 53.3900			
KA4UFM	DECATUR		GA
KF4XH	#MACON		GA
KE4RKF	WAYNESBURG	100.0	KY
WB3R	AMELIA		VA
52.4100 / 53.4100			
WA1YYN	EFLAND	107.2	NC
KO4MZ	GVL/CSR'S HEAD	131.8	SC
52.4300 / 53.4300			
KR4OL	BOLINGBROKE		GA
N7BBW	LOUISVILLE	151.4	KY
AD4DN	WILMINGTON	88.5	NC
K4GX	KINGSPORT		TN
KD4SUU	CHESTERFIELD		VA
N4GBO	VESTA	107.2	VA
52.4500 / 53.4500			
WD4OVN	#PINE LOG MT		GA
KC5PIA	#LAUREL		MS
W4UNC	CHAPEL HILL	107.2	NC
NQ4Y	MONTEAGLE MTN	114.8	TN
K8GP	BULLRUN		VA
52.4700 / 53.4700			
W5PFC	JACKSON	77.0	MS
KE4JYN	PEARISBURG	107.2	VA
52.5500 / 53.5500			
WB4JEH	CONYERS	151.4	GA
N4OQJ	KNOXVILLE	100.0	TN
K4RDK	MEMPHIS		TN
52.5700 / 53.5700			
KD4AOZ	WATKINSVILLE	123.0	GA
KE4LGL	LEXINGTON		KY
KE4KEH	LYNCHBURG	103.5	VA
52.5900 / 53.5900			
KF4QDS	KVILLE/HIPOINT	103.5	NC
KF4IWA	MOUNTAIN REST		SC
WB8YST	BECKLEY	107.2	WV
KA1OKQ	CONCORD, NH	71.9	ZZ
52.6300 / 53.6300			
AB4JJ	MT MITCHELL	100.0	NC
WB8YST	CHARLESTON	107.2	WV
51.1400 / 53.6500			
KB5MPW	BAY SAINT LOUIS	136.5	MS
52.6500 / 53.6500			
KB4YFV	WHITE TOP MTN		VA
51.2000 / 53.7100			
KE4OVN	LANEVIEW	107.2	TN
52.7100 / 53.7100			
KD4YWB	ROBBINSVILLE	167.9	NC
WB8YST	RICHWOOD	107.2	WV
51.2200 / 53.7300			
K4YC	IVEY/MACON	88.5	GA
52.7300 / 53.7300			
K4XYZ	BUCKHORN LAKE	100.0	KY
WD4OAR	GEORGETOWN	192.8	TN
52.7500 / 53.7500			
W4YWH	HIGHLAND HEIGHTS	123.0	KY
WA4PXV	AIR BELLOWS GAP		NC
W4BAD	DURHAM		NC
K4GX	#ROGERSVILLE	114.8	TN
N8PEI	MARMT/CHARLSTN	141.3	WV
52.7700 / 53.7700			
W4GL	SUMTER		SC
W4BBB	KNOXVILLE/RACK	1000.	TN
N4TZE	BEDFORD/THNDR	173.8	VA
52.7900 / 53.7900			
WR4MG	WARNER ROBINS		GA
WA4NC	BOONE	100.0	NC
52.8100 / 53.8100			
WD4KNE	#STANTON		KY
W4EBM	#FAYETTEVILLE		NC
52.8500 / 53.8500			
K4TDO	HAZARD		KY
52.8700 / 53.8700			
KC8PFI	CEREDO		WV
52.8900 / 53.8900			
KB0Y	LAKE PARK	141.3	GA
WB4HJG	LULA	82.5	GA
WA4OHX	HAMPTON		VA
52.9100 / 53.9100			
KE4ZJT	LONDON	100.0	KY
52.9300 / 53.9300			
W4GMM	MEMPHIS	107.2	TN
KC8LRN	LEWISBURG	131.8	WV
52.9500 / 53.9500			
WB4WSB	LAGRANGE		KY
52.9700 / 53.9700			
N4DAJ	MT. AIRY	100.0	NC
52.5250 / 145.2100			
N4ARK	NASHVILLE		TN

2 METERS

144.6100 / 52.5250			
N4ARK	NASHVILLE		TN
144.5100 / 145.1100			
KK4HL	AUGUSTA		GA
N4MXC	COCHRAN	107.2	GA
KR4HV	DOUGLASVILLE	88.5	GA
KC4UPE	LEESBURG	192.8	KY
KD5AXY	FLORENCE		MS
W5WA	VANCLEAVE	123.0	MS
W4PCN	KILL DEVIL HILLS	131.8	NC
N4GSM	ROBBINSVILLE	151.4	NC
KD4MYE	YOUNGSVILLE	88.5	NC
WZ4SC	FORT MILL		SC
W4GS	MYR BCH/CONWAY		SC
KK4TD	COOKEVILLE		TN
WM4T	GRAY		TN
KF4OID	MOSCOW	107.2	TN
N4ARK	NASHVL/FAIRVIEW	151.4	TN
K4YPE	RICHMOND		VA
N8RV	FROST	107.2	WV
K8SA	SALT ROCK	110.9	WV
144.5300 / 145.1300			
K4SEX	BGMRC/NEWMAN		GA
WR4SG	VALDOSTA	141.3	GA
N4UL	LOUISVILLE AREA	151.4	KY
KJ4VF	MOREHEAD	100.0	KY
WB4YNF	AHOSKIE		NC
N4VL	MT. AIRY	103.5	NC
W4RNC	RALEIGH	88.5	NC
W4JAK	GREENWOOD		SC
K4JR	SUMTER		SC
K4CMY	CHATTANOOGA		TN
KA4OAK	LAFOLLETTE		TN
KF4ATY	MEMPHIS	107.2	TN
KC4WPS	NASHVILLE	114.8	TN
N8OYY	GLENVILLE		WV
144.5500 / 145.1500			
K4TWG	BACONTON		GA
W4AQL	GA TECH	167.9	GA
K4YC	IVEY/MACON	77.0	GA
KG4CCW	LOUISVILLE	141.3	KY
KY4JW	MONTICELLO		KY
AD4BI	PIKEVILLE	107.2	KY
KE5LT	#PICAYUNE		MS
K2IMO	ELM CITY	88.5	NC
W4GSO	GREENSBORO	100.0	NC
K4OBX	HATTERAS ISLAND	131.8	NC
W4LBT	#LUMBERTON		NC
N4LWY	SUMMERTON		SC
K4USC	UNION		SC
KG4FZR	ATHENS	141.3	TN
W4XS	FRANKLIN		TN
K0JXI	MEMPHIS		TN
K4ARO	GREENBAY		VA
N3ZE	RADFORD/RINER		VA
K8VE	PHILIPPI	103.5	WV
144.5700 / 145.1700			
WA4DIW	JONESBORO		GA
W8PRH	HALLS GAP		KY

PLEASE NOTE

The Repeater Journal lists subtones used on repeaters ONLY if they are requested to be listed by the sponsor or owner. The listing of a subtone on any repeater does not in any way indicate it being a "closed" repeater. In most cases, the tones are used to eliminate noise problems and are listed at the owners request for users convenience.

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

K4CCR	ANDSN MT/DENVER	88.5	NC
N4NCK	OXFORD		NC
N4JDW	WILMINGTON	88.5	NC
KY4S	AIKEN		SC
K4NOC	BISHOPVILLE	123.0	SC
WF4Q	BRUCETON	107.2	TN
WB4GBI	KNOXVILLE		TN
WB4LHO	MURFREESBORO		TN
WA4ZUA	NORFOLK	136.5	VA
WV8B	BECKLEY/BOLT MT	100.0	WV
144.5900 / 145.1900			
W4CBA	GAINESVILLE	131.8	GA
WA4EQL	JESUP		GA
WB4ULJ	PINE MT/HAMILTON		GA
KB4SQI	SALYERSVILLE	127.3	KY
K5YD	BOONEVILLE	110.9	MS
W5CJR	HATTIESBURG	136.5	MS
KA4SQN	JACKSONVILLE		NC
WA4BVW	MT MITCHELL		NC
K4GWH	RALEIGH	156.7	NC
N4OTT	CARTHAGE		TN
KD4XV	JASPER	127.3	TN
WB3R	AMELIA		VA
WB8YJJ	RICHWOOD		WV
KA8YEZ	WHEELING	156.7	WV
144.6100 / 145.2100			
KC4RRO	EASTMAN		GA
WA4EPK	FAYETTEVILLE	131.8	GA
W8PRH	LEXINGTN/GRGTWN		KY
KB5IKR	MENDENHALL	100.0	MS
K4OLC	HIGH PEAK MTN	94.8	NC
WB4TQD	TRENTON		NC
KG4LAP	SMOAKS		SC
W2GLJ	GERMANTOWN		TN
W4BBB	KNOXVILLE/RACK	100.0	TN
N4ARK	NASHVILLE		TN
K4QZJ	HIGH KNOB MT		VA
N2EDE	ROANOKE	107.2	VA
WB8FEQ	HUNTINGTON	162.2	WV
144.6300 / 145.2300			
WB4JEH	CONYERS	151.4	GA
WR4SG	CORDELE	141.3	GA
W4DRC	DALTON		GA
K4BR	WAYNESBORO		GA
W8PRH	LOUISVILLE		KY
W4KBL	PRINCETON	103.5	KY
KG4GQC	WEST LIBERTY	107.2	KY
KC5VZI	#NEW ALBANY		MS
N4VBH	BEULAVILLE		NC
W4UNC	CHAPEL HILL	107.2	NC
W4BFB	CHARLOTTE		NC
KG4AQH	GREELEYVILLE		SC
W4CAT	LAVERNE		TN
KB4KIE	MAYNARDVILLE		TN
KE4NTL	RIPLEY	100.0	TN
N4CH	BEDFORD		VA
W4MT	NEWPORT NEWS	100.0	VA
N8FWL	BECKLEY/OAK HILL	100.0	WV
WJ8G	ELKINS	103.5	WV
144.6500 / 145.2500			
N4YYD	CHATSWORTH	71.9	GA
K4YC	IVEY		GA
AD4YJ	LEXINGTON	110.9	KY
W4GG	GREENSBORO	88.5	NC
WA4USN	CHARLESTON	123.0	SC
WA4UKX	SIMPSONVILLE	123.0	SC
KT4WS	DOVER	100.0	TN
N4WXS	ERWIN/PINNACLE		TN
N4ER	MEMPHIS	146.2	TN
KD8XK	BLUEFIELD	100.0	VA
KQ4RH	MONTPELIER		VA
144.6700 / 145.2700			
KT4X	SANDERSVILLE	77.0	GA
KB4GDS	WALESKA/PNLG MT	100.0	GA
N4KJU	PAINTSVILLE		KY
KD4BOH	ROCKPORT	77.0	KY
N5NBG	WALLS	162.2	MS
KB5DZJ	WIGGINS	136.5	MS
K4ROK	FARMVILLE	131.8	NC
WA4KNI	HENDSVL/BERWLW		NC
N7GZT	COLUMBIA	162.2	SC
KD4CLA	PIGEON FORGE	100.0	TN
N8FMD	BIRCH RIVER	103.5	WV
144.6900 / 145.2900			
W4IBM	ATLANTA	88.5	GA
W4DV	AUGUSTA	100.0	GA
WR4MG	PERRY	107.2	GA
AC2DC	LOUISVILLE	151.4	KY
N4VOS	STANTON		KY
WJ5L	VICKSBURG		MS
W4BFB	CHARLOTTE		NC
WN3X	COINJOCK	131.8	NC
NC4AR	HIGH POINT	88.5	NC
WA4WPD	NASHVILLE	107.2	NC
W4GS	MYRTLE BEACH	85.4	SC
KU4ZS	PUMPKINTOWN	123.0	SC
W4AM	CHATTANOOGA	118.8	TN
KF4ZQA	ELIZTON/HOLS MT	100.0	TN
K4DXC	RIDGETOP	114.8	TN
WF4Q	SHILOH	107.2	TN
N4UTN	RUSTBURG		VA
WB8WV	GLENVILLE		WV
144.7100 / 145.3100			
W4FIZ	COLUMBUS	123.0	GA
KB4JF	NASHVILLE	141.3	GA
WA4JDR	STOCKBRIDGE		GA
KC4KZT	DAVID		KY
WB5GOJ	CHATAWA		MS
KC4WPM	BAKERSVILLE		NC
N4LEX	LEXINGTON	88.5	NC
K4ITL	ROSEBORO		NC
W4IAR	BEAUFORT		SC
W4CHR	CHESTER		SC
WA4PNI	ATHENS	141.3	TN
KF4SC	JACKSON		TN
KC4ECD	LAFAYETTE	151.4	TN
KD4KWP	CHESTERFIELD		VA
N8FCJ	BECKLEY/LAYLAND	100.0	WV
KB8TJH	SHIRLEY		WV
144.7300 / 145.3300			
KF4ODQ	EASTMAN	77.0	GA
WA4OGE	JONESBORO		GA
N4XGI	ST SIMONS ISLAND	131.8	GA
KF4INN	VERSAILLES		KY
K5DMC	KILN		MS
KI4RK	EMERALD ISLE	88.5	NC
KI4RK	GOLDSBORO	100.0	NC
N4VRD	MOUNT AIRY	100.0	NC
KF4JVI	TRYON		NC
WA4DFP	BAMBERG		SC
WT4E	COLLIERVILLE	107.2	TN
WD4DBJ	CUMBERLAND CITY		TN
WA4TEM	KNOXVILLE		TN
KE4ZBH	FARMVILLE		VA
W4VB	NORFOLK		VA
WR8M	WILLIAMSON	100.0	WV
144.7500 / 145.3500			
W4DOC	ATLANTA	146.2	GA
W4GTA	LOOKOUT MT	100.0	GA
KD4MFS	OCILLA		GA
AI4HB	RADCLIFF	173.8	KY
N4DRL	BYHALIA		MS
N5ZMZ	UTICA		MS
WA4AOS	CHARLOTTE		NC
WD4JPQ	GREENVILLE	131.8	NC
KE4OVN	DRESDEN	107.2	TN
WD4JYD	NOLENSVILLE	114.8	TN
KB4PNG	ONEIDA	77.0	TN
N4AZJ	BLAND	103.5	VA
KF4LWH	SOUTH BOSTON		VA
W8GK	CHARLESTON	91.5	WV
W8SP	FAIRMONT	103.5	WV
144.7700 / 145.3700			
AA4UA	AUGUSTA		GA
KB4IZF	JASPER	100.0	GA
W4BKM	MACON	88.5	GA
KE4YVD	RICHMOND	192.8	KY
K5IJX	HATTIESBURG	136.5	MS
N5PYQ	SOUTHAVEN	107.2	MS
N4NCK	BUTNER		NC
W4HF	N. WILKESBORO	94.8	NC
K4PPD	SHALLOTTE		NC
KB4KIE	KNOXVILLE		TN
WR3S	NASHVILLE		TN
W4HZL	GLOUCESTER		VA
KC4RBA	LYNCHBURG	186.2	VA
WV8BD	BECKLEY/EOC		WV
K8VNQ	PARSONS	118.8	WV
144.7900 / 145.3900			
K4HYB	GRIFFIN	88.5	GA
WF4N	#CENTRAL CITY		KY
N4EQT	LAWRENCEBURG	107.2	KY
KC8FKP	SO. PORTSMOUTH	136.5	KY
KB5KGE	JACKSON		MS
NC4UC	MONROE/UCARS	94.8	NC
WB4TQD	RALEIGH	82.5	NC
KG4BZN	WALTERBORO		SC
W4AM	CHATTANOOGA		TN
W4WC	GREENEVILLE		TN
KE4EUE	COLONIAL HEIGHTS		VA
W4POX	PORTSMOUTH	100.0	VA
K4ARO	ROANOKE/POOR MT	107.2	VA
KF8HL	#LENORE		WV
WD8EOM	WESTON		WV
144.8100 / 145.4100			
W4PME	ATLANTA/BELL	100.0	GA
K4KNS	AUGUSTA		GA
WA4MXO	JACKSON		KY
KK4CZ	LOUISVILLE	151.4	KY
KC5IF	D'IBERVILLE		MS
N4XO	CHINA GROVE	136.5	NC
K4SER	WILLIAMSTON	131.8	NC
WA4USN	CHARLESTON AR		SC
N4VIH	DOVER		TN
K4MFD	GRNVL/VIKING MT	173.8	TN
K5FE	MEMPHIS	107.2	TN
NQ4Y	MONTEAGLE MTN	114.8	TN
KF4ADM	WILLIAMSBURG	127.3	VA
N8FHE	BUCKHANNON		WV
WV8AR	RED HOUSE	123.0	WV
W8IFL	UNION		WV
144.8300 / 145.4300			
K4LCI	ATLANTA		GA
WA9RNZ	JESUP	118.8	GA
AA4RI	MACON		GA
KX5E	GLOSTER	136.5	MS
KU4W	RAEFORD	100.0	NC
K4QFQ	SPARTA/GREEN MT		NC
K4JR	SUMTER	156.7	SC
WF4Q	BROWNSVILLE	107.2	TN
WA4UCE	COOKEVILLE		TN
WB4YLC	KNOXVILLE		TN
AD4OV	COEBURN	103.5	VA
W4SQT	RICHMOND		VA
WB8YST	CHARLESTON	107.2	WV
K8LG	MORGANTOWN		WV
144.8500 / 145.4500			
W4BOC	DECATUR		GA
KG4FEJ	ROCKFIELD	136.5	KY
WX5P	FULTON		MS
W5PPB	SHARON	77.0	MS
WR4AGC	DURHAM		NC
WD4LCF	GASTONIA		NC
K4GRW	NEWPORT		NC
WD4EOG	CLEMSON UNIV		SC
N7GZT	MT. PLEASANT		SC
W4ZKM	SAVANNAH RIVER	123.0	SC
K4SIR	BENTON		TN
WA4KOG	MEMPHIS		TN
KQ4E	MORRISTOWN		TN
KF4GHD	#MT PLEASANT	127.3	TN
AA4HQ	SALUDA		VA
KD4KAU	STAUNTON	131.8	VA
N8LGY	MT. ZION	107.2	WV
K8KRS	WELCH		WV
144.8700 / 145.4700			
KD4HMH	BONAIRE		GA
KG4OGC	RICEBORO		GA
N4CLA	SWEAT MT/MARIETT		GA
WB4GGH	BARDSTWN/NELSN	151.4	KY
K4NLT	HUEYSVILLE	79.7	KY
KF4BRO	MAYSVILLE	107.2	KY
WB5VYH	ABBEVILLE	107.2	MS
W4OIX	KINSTON		NC
W4NC	SAURATOWN MT	100	NC
KN4RG	GAFFNEY	141.3	SC
KI4CB	MYR BCH/CONWAY		SC
WB4GBI	KNOXVILLE		TN
KF4RBR	MOUNTAIN CITY	103.5	TN
N4ARK	NASHVILLE		TN
N4ZCM	SOUTH HILL		VA
144.8900 / 145.4900			
W4DV	AUGUSTA		GA
KA4WUJ	CORDELE	103.5	GA
W4LMA	MARIETTA	88.5	GA
W4KVK	HENDERSON		KY
WB4CWF	LEXINGTON		KY
N5VGK	TUPELO		MS
NT4K	FRANKLIN		NC
WB4IKY	GIBSONVILLE	107.2	NC
W4BWC	RALEIGH	82.5	NC
W4APE	CHERAW		SC
WA4KOG	BRADEN		TN
WB4LHO	MCMINVL/SHT MT		TN
K4CQ	AMHERST	136.5	VA
W8MOP	BLUEFIELD		VA
WA4OHX	HAMPTON		VA
WV8G	PARKERSBURG		WV
146.9950 / 146.3950			
WB9SHH	#MONTECELLO	88.5	KY
146.0100 / 146.6100			
W4CVY	COLUMBUS		GA
WB4JEH	CONYERS	151.4	GA
WD4KWV	CORBIN		KY
KC4FRA	MADISONVILLE		KY
W5LAR	LAUREL		MS
W4EWN	NEW BERN	100.0	NC
WB4TOP	RALEIGH	131.8	NC
KF4QDS	THOMASVILLE	123.0	NC
KC4WIF	ELLOREE	118.8	SC
W4NYK	GRNVLE/CSRS HD		SC
W4AM	CHATTANOOGA		TN
WA4PCD	NASHVILLE		TN
K4JP	ABINGDN/BRMLY MT		VA
W4CAR	CHESAPEAKE		VA
W4WWQ	LYNCHBURG	136.5	VA
WB8MZI	GASSAWAY		WV
146.0250 / 146.6250			
W4ZT	ATL/UNION CITY	100.0	GA
N4UJT	ELBERTON		GA
K4HAO	VIDALIA		GA
WA4GOZ	BOWLING GREEN	103.5	KY
K4ULW	WEBSTER	151.4	KY
KC5ULN	COLUMBUS		MS
KE5WO	PORT GIBSON		MS
K4USB	BUXTON	131.8	NC
KI4RR	LAURINBURG		NC
KF4SXO	CHESTER		SC
WB4VXX	CORNERSVILLE	107.2	TN
WB4GBI	KNOXVILLE	100.0	TN
N4ABU	MARTIN		TN
K4SVA	JARRATT I-95	100.0	VA
WV8B	FLAT TOP/WINTRPL	100.0	WV
146.0400 / 146.6400			
WB4QGR	#ATLANTA		GA
W4FWD	CARROLLTON	131.8	GA
AE4PO	WAYCROSS	141.3	GA
WA4UXJ	CANE VALLEY		KY
K5XU	MADISON		MS
WB5NAY	MOOREVILLE		MS
WB4YAO	HENDERSONVILLE	91.5	NC
W4DW	RALEIGH		NC
W4NC	WINSTON-SALEM	100.0	NC
W4GL	SUMTER		SC
KA4QYI	HARRIMAN	100.0	TN
WB4KQQ	MEMPHIS		TN
AF4TZ	NASHVILLE	114.8	TN
W4WIC	FINCASTLE		VA
N4QLF	MARION	103.5	VA
WB4QEY	RICHMOND		VA
N8HZ	HUNTINGTON/CHAS		WV
146.0550 / 146.6550			
N4NFP	ATLANTA/MARIETTA	151.4	GA
W4WSM	BOWLING GREEN-SO		KY
WD4DZC	DANVILLE		KY
K4CUW	PADUCAH		KY
KC5ZZH	MERIDIAN		MS
K4CEB	CONCORD/KANNAP.		NC
WA4VTX	ELIZABETH CITY	131.8	NC
KD4KOJ	BEAUFORT		SC
N5CWH	LEESVILLE	162.2	SC
KD4AOK	BROWNSVILLE		TN
W4RDM	LAWRENCEBURG		TN
W4OLB	MARYVILLE/ALCOA		TN
WA4ISI	ALTAVISTA		VA
N8ZPX	FLATWOODS	123.0	WV
N8SNW	IAEGER	203.5	WV
146.0700 / 146.6700			
W4ABP	GAINESVILLE	131.8	GA
KF4SJO	HAZARD		KY
W4KBL	PRINCETON		KY
W5UBG	NEW ALBANY		MS
KB5ZCX	PURVIS		MS
K4FHB	BURLINGTON		NC
K4OI	FOREST CITY	114.8	NC
AD4DN	WILMINGTON	88.5	NC
AD4U	ST. MATTHEWS	156.7	SC
W4UD	BRISTOL		TN
K4BGW	LAFOLLETTE		TN
AF4TZ	NASHVILLE	114.8	TN
W4CBM	DUBLIN		VA
KG4NJA	NASA LANGLEY	173.8	VA
KD4DDI	PAGECO		VA
K4RC	WILLIAMSBURG		VA
WD8JNU	RAVENSWOOD		WV
146.0850 / 146.6850			
K4NGA	ADAIRSVILLE		GA
WA4EPK	DARIEN		GA
K4KZY	FAYETTEVILLE		GA
KF4NTQ	GEORGETOWN	107.2	KY
N4WJS	OWENSBORO	110.9	KY
W5KHB	NATCHEZ		MS
W4NBR	GRIFTON	88.5	NC
W4SNC	STATESVILLE		NC
K4USC	UNION		SC
KF4ARH	WALLAND	88.5	TN
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
N8FMD	CLARKSBURG	103.5	WV
WB8NAM	DANVILLE		WV
146.1000 / 146.7000			
W4MM	ALBANY		GA
K4UFO	JASPER		GA
KD4BWK	LAGRANGE	141.3	GA
WB4DOJ	MILLEDGEVILLE	67.0	GA
K4NLX	SAVANNAH		GA
KY4KY	BROOKS	151.4	KY
KD4DZE	GRAYSON	107.2	KY
WB4FUR	BAY ST. LOUIS		MS
W5LV	GRENADA		MS
W5FQ	MERIDIAN		MS
KD4GLB	CROSSNORE	167.9	NC
N4CID	DUNN		NC
W4PAX	#LANCASTER		SC
WT4F	PICKENS	107.2	SC
KF4BVQ	ANDERSON CTY	100.0	TN
W4UOT	MANCHESTER	114.8	TN
WB4MMI	RAMER	107.2	TN
WA4YGM	UNION CITY		TN
K4AU	DANVILE/WHT OAK	107.2	VA
KF8PT	NORFOLK		VA
KD4WWF	STAUNTON	131.8	VA
KC8AFH	BECKLEY	123.0	WV
146.1100 / 146.7100			
KF4FO	HOPKINSVILLE		KY
146.1150 / 146.7150			
K4NVG	LAVONIA	100.0	GA
W4ABZ	RINGGOLD	67.0	GA
KF4OFT	BEREA	100.0	KY
KA5TQY	GREENWOOD		MS
KD4JFN	HAW RIVER	107.2	NC
N4GGN	MILLERS CREEK		NC
WB4NEP	COLUMBIA		SC
KB4JUB	SALTILLO		TN
W9KIC	BLACKSBURG		VA
W4TTL	WALKERTON		VA
146.1300 / 146.7300			
W4MM	ALBANY		GA
KD4NC	ATLANTA/SWEAT MT		GA
K4TVE	BRUNSWICK		GA
WR4DH	MACON	100.0	GA
AC4AO	LEXINGTON		KY
AA4NI	#NEBO		KY
KC5IF	BILOXI		MS
KD5GVU	STARKVILLE	210.7	MS
KC5TGT	UTICA	77.0	MS
W4BWC	RALEIGH	82.5	NC
W4EXU	SALISBURY	94.8	NC
N4ILM	WILMINGTON		NC
K4NAB	N. AUGUSTA		SC
WA4UKX	SIMPSONVILLE	100.0	SC
WB4IOB	KNXVL/ENG MT		TN
KE4LFZ	MEMPHIS	107.2	TN
K4EHL	WATERTOWN	100.0	TN
W4QR	HAMPTON		VA
WB8SPW	LEWISBURG	100.0	WV
146.1450 / 146.7450			
KD4QHB	ATHENS		GA
K4WOC	CALHOUN	100.0	GA
AF4VH	SPRINGFIELD	97.4	GA
WA4TTC	GREENVILLE		KY
KD4RTR	MILLARD	141.3	KY
KC5VZI	#NEW ALBANY		MS
KC4QPR	MORGANTON	94.8	NC
N4WFU	ROANOKE RAPIDS	131.8	NC
W4JJ	DILLON/PEE DEE		SC
W4MV	DYERSBURG		TN
KC4WHL	HARRIMAN		TN
AA4YQ	WARTBURG		TN
K4ROA	ROANOKE/POOR MT	107.2	VA
146.1600 / 146.7600			
W4RRG	LOOKOUT MT.	67.0	GA
W4BOC	STONE MT	107.2	GA
WR4MG	UNADILLA	107.2	GA
KF4BJM	VALDOSTA	141.3	GA
K4KJQ	LEXINGTON		KY
K4CUW	PADUCAH		KY
W5AXQ	JACKSON		MS
WA4BVW	ASHVL/MT PISGAH		NC
K4GWH	GREENSBORO	156.7	NC
KB2XI	SWANSBORO		NC
WB4THL	WILSON	131.8	NC
K4ESG	MT PLEASANT		SC

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

K4JP	BRSTL/HOLSTN MT		TN
WA4PCD	NASHVILLE	114.8	TN
WA4TFZ	CHARLOTTESVILLE	151.4	VA
KB4ZIN	WILLIAMSBURG		VA
W8VA	HUNTINGTON	131.8	WV
N4RAG	LEWISBURG	131.8	WV
W8CUL	MORGANTOWN		WV
W8ZQ	WHEELING		WV
146.1750 / 146.7750			
N4NEQ	MARIETTA	151.4	GA
KB4NA	WRENS		GA
W4PPM	MIDDLESBORO		KY
KJ4OG	TOMPKINSVILLE		KY
AE4SK	VANCEBURG		KY
K5PN	HATTIESBURG	136.5	MS
W4ZU	HOLDEN BEACH	100.0	NC
NC4SU	RALEIGH	88.5	NC
KF4GHC	FORT JACKSON	156.7	SC
WF4Q	FRUITLAND	107.2	TN
W4JVO	PULASKI/MUSIC MT		TN
AG4AN	FOREST	131.8	VA
WB3T	WYTHEVILLE	107.2	VA
KB8BWZ	ELKINS		WV
146.1900 / 146.7900			
KD4GEY	FOLKSTON		GA
WD4KOW	MOULTRIE		GA
K4SEX	NEWNAN		GA
K4VYX	SWAINSBORO		GA
W4YWH	HIGHLAND HEIGHTS	123.0	KY
KA4UHL	NANCY	100.0	KY
K5TYP	BILOXI		MS
W4TLP	CLINTON		NC
KG4ASL	SAURATOWN MT	107.2	NC
N4AW	ANDERSON/SAS MT		SC
WA4USN	CHARLESTON		SC
W4AM	CHATTANOOGA		TN
W4ABR	JOHNSON CITY		TN
W4KIB	MEMPHIS	107.2	TN
W4SQE	NASHVILLE	100.0	TN
N4SD	CHESAPEAKE		VA
NM8T	OAK HILL		WV
146.2050 / 146.8050			
K4PDQ	MACON	77.0	GA
KA4NNE	ELKTON	100.0	KY
W8PRH	HAZARD		KY
KF5C	STARKVILLE	192.8	MS
K5IMT	#VICKSBURG		MS
K4GNC	GASTONIA/CRWDR		NC
W4DCG	ROCKY MOUNT	118.8	NC
KF4ATU	ORANGEBURG	156.7	SC
KF4TNP	CORNERSVILLE	114.8	TN
W4EYJ	CROSSVILLE	131.8	TN
WB4MMI	SELMER	107.2	TN
WA4HTI	COVINGTON		VA
W4TTL	MECHANICSVILLE		VA
147.4050 / 146.8050			
KC4AQS	JASPER	100.0	GA
W4DJB	CANTON		NC
KD4TC	BIG "A" MTN	103.5	VA
146.2200 / 146.8200			
W4MM	ALBANY		GA
W4DOC	ATLANTA	146.2	GA
K4HVK	KIBBEE		GA
KF4DKJ	DRAKESBORO		KY
W4CMR	IRVINE	192.8	KY
K5HYE	MAGEE	100.0	MS
WB4PZA	WILKESBORO		NC
K4GMP	WILMINGTON	88.5	NC
KT4NZ	CAMDEN	131.8	SC
W4NYK	GRNVLE/PARIS MT		SC
WB4OAH	LAKE CITY		TN
W4BS	MEMPHIS		TN
KB4PNG	#ONEIDA		TN
W4UOT	WINCHESTER		TN
W4CAR	CHESAPEAKE	162.2	VA
N4WWB	GATE CITY		VA
WB8CQV	CHARLESTON	192.8	WV
W4RKC	WINCHESTER, VA		ZZ
146.2350 / 146.8350			
KC4GSS	THOMSON		GA
KF4AWA	SALVISA	192.8	KY
WB4PLA	ASHEVILLE		NC
KB4TOH	COLUMBIA	131.8	NC
W4USH	WADESBORO		NC
KT4YW	CHARLESTON		SC
KB4YTM	HUNTINGDON		TN
W4LYR	WATERTOWN	100.0	TN
KK4EH	GRUNDY/BIG A MT		VA
W4GSF	KILMARNOCK	173.8	VA
N4UTN	RUSTBURG/LONG MT	173.8	VA
KC8ECX	COWEN	110.9	WV
147.4350 / 146.8350			
N4KHQ	DAHLONEGA	100.0	GA
W4IDR	#HOPE MILLS		NC
KB4BPV	THOMASVILLE	88.5	NC
146.2500 / 146.8500			
W4RPO	DALLAS		GA
K4SDJ	SAVANNAH		GA
WA4ORT	WARNER ROBINS		GA
KM4IV	PIKEVILLE		KY
K5JMD	BUDE	103.5	MS
WB5MFK	IUKA		MS
W5LWC	KOSCIUSKO		MS
K4CYP	GOLDSBORO		NC
WA4DSZ	HICKORY/BRT. MT		NC
N4IV	REIDSVILLE	103.5	NC
W4ULH	FLORENCE		SC
WA4KJH	GTLBG/COVE MTN	127.3	TN
WA4KOG	MEMPHIS		TN
W4AY	NASHVILLE	114.8	TN
W4POX	PORTSMOUTH		VA
WA4ZBP	STAUNTON	131.8	VA
WV8BD	BECKLEY/FLAT TOP		WV
N8ZAR	BUCKHANNON		WV
146.2650 / 146.8650			
N4ZON	JESUP	123.0	GA
WB4DKY	MADISON	179.9	GA
AD4MU	OWENSBORO		KY
KG4AEU	RICHMOND	192.8	KY
KD4HLH	LAURENS	107.2	SC
KF4VGX	LITTLE RIVER		SC
KF4DPU	CROSSVILLE		TN
KN4KP	TRENTON		TN
KF4VDF	NORTON	103.5	VA
147.4650 / 146.8650			
N5DWU	ELLISVILLE	136.5	MS
N4WCO	MURPHY/STALCUP	151.4	NC
WA4ZRS	WAXHAW	94.8	NC
WZ8E	MOUNTAIN LAKE	110.9	VA
146.2800 / 146.8800			
W4CVY	COLUMBUS		GA
W4BTI	MARIETTA/ATLANTA	100.0	GA
WA4NKL	QUITMAN		GA
W4HBB	SAVANNAH		GA
W4PF	LOUISVILLE		KY
KA4UHL	SOMERSET	77.0	KY
K5QNE	JACKSON	100.0	MS
KE5SJ	PASCAGOULA		MS
WB4TQD	RALEIGH		NC
W4NYR	SHELBY		NC
N7GZT	ORANGEBURG		SC
WD4CYZ	BRISTOL		TN
WA4KOG	MEMPHIS		TN
WA4PCD	NASHVILLE		TN
W4SKH	OAK RIDGE		TN
W4RAT	RICHMOND		VA
WA4V	SALEM		VA
WB8CQV	SO. CHARLESTON	203.5	WV
146.2950 / 146.8950			
N4VNI	HARTWELL	100.0	GA
WR4MG	HAWKINSVILLE	107.2	GA
N3SM	MACON	123.0	GA
K4JBV	FLORENCE	100.0	KY
KA4BLZ	LYNN GROVE	210.7	KY
W4APE	PAGELAND		SC
KF4HNV	CROSSVILLE	118.8	TN
WD4EGD	DANDRIDGE		TN
K4TTC	HOWENWALD	100.0	TN
WA4KXV	VIRGINIA BEACH		VA
WB3T	WYTH/WALKER MT	103.5	VA
147.4950 / 146.8950			
WD4LUQ	DALLAS	77.0	GA
KC4KZT	DORTON	141.3	KY
N5DWU	ELLISVILLE	136.5	MS
146.3100 / 146.9100			
WB4HIG	CLEVELAND		GA
K4HYB	GRIFFIN		GA
K4GFY	MOREHEAD	123.0	KY
KS4TO	WADDY	107.2	KY
K5VV	HERNANDO		MS
WA5JZL	LUCEDALE		MS
K5OCM	NATCHEZ	91.5	MS
WA4ZGQ	AHOSKIE	131.8	NC
W4MOE	ASHVL/SPIVEY MT	91.5	NC
WB4YZF	FAYVLLE/CFARS	100	NC
W4PAR	LEXINGTON	107.2	NC
WA4SJS	WHITE HALL		SC
KC4ROG	KNOXVILLE		TN
W4YXA	SHORT MTN		TN
KE4ZBH	FARMVILLE		VA
K4TUE	MT.LAKE/BALD KNB	107.2	VA
N8BQ	MCMECHEN		WV
146.3250 / 146.9250			
WA4ASI	COVINGTON		GA
N4PJR	JESUP	141.3	GA
W4BEJ	RADCLIFF		KY
???	CORINTH	107.2	MS
AD4T	DOBSON	100.0	NC
W4APE	BISHOPVILLE		SC
W4GZX	CLEVELAND		TN
WA4TLZ	CUMBERLAND CITY	127.3	TN
WD4OBW	JONESBOROUGH		TN
WA4TFZ	CHARLOTTESVILLE	151.4	VA
WB4GJG	DANVILLE(DCC)	107.2	VA
WD8OGY	PRINCETON/PIPEST		WV
146.3400 / 146.9400			
KT4N	AUGUSTA		GA
W4VO	ROME/MT. ALTO	88.5	GA
WA4RVB	WRIGHTSVILLE		GA
K4GEC	ASHLAND		KY
KY4X	GLASGOW	114.8	KY
K4MSU	MURRAY	91.5	KY
KB5DWX	AMORY	192.8	MS
KA5SBK	JACKSON	100.0	MS
K5JMD	MCCOMB		MS
K4CTY	BURGAW		NC
WA4IZG	BUTNER	156.7	NC
W4BFB	CHARLOTTE		NC
W4ACY	WANCHESE	131.8	NC
N7GZT	CHARLESTON		SC
W4IQQ	GREENVILLE		SC
WB4GBI	KNOXVILLE		TN
N4BSM	MEMPHIS	107.2	TN
W4ZA	RICHMOND		VA
N4AP	ROANOKE		VA
KD8AB	FENWICK		WV
W8CWO	WEIRTON		WV
146.3550 / 146.9550			
KD4AOZ	ATHENS	123.0	GA
KE4RQT	BLAIRSVILLE	100.0	GA
WR4MG	PERRY	107.2	GA
KF4BRO	FLEMINGSBURG	107.2	KY
N5EKR	ELLISVILLE		MS
KC5OB	ISOLA		MS
KD4WAR	BURNSVILLE		NC
K4RNC	ROCKINGHAM		NC
KD4BMX	PINE RIDGE	91.5	SC
NT4L	#NASHVILLE	114.8	TN
WZ8E	BLUEFIELD/ONEIDA	100.0	VA
N4CFA	FARMVILLE	136.5	VA
146.3700 / 146.9700			
K4CLJ	ATLANTA		GA
W4HBB	SAVANNAH		GA
K4DPP	#HENDERSON		KY
W8PRH	STANTON		KY
KI5FW	MERIDIAN	100.0	MS
N5PH	PASCAGOULA		MS
N5EYM	WINONA	110.9	MS
KD4BJD	BENSON		NC
N4AW	ANDERSON		SC
W4GEY	FLORENCE		SC
W4TRC	KNGSPT/BAYS MT		TN
WD4MWQ	MCMINNVILLE		TN
WA4RWK	MEDINA		TN
W4SKH	OAK RIDGE		TN
NC4BL	FANCY GAP	100.0	VA
W4WRN	STAUNTON		VA
WA4KXV	VIRGINIA BEACH		VA
WA8RSY	LOGAN/WRD RK MT		WV
N8NBL	PARKERSBURG (OH)		WV
146.3800 / 146.9800			
W4BEJ	ELIZABETHTOWN		KY
146.3850 / 146.9850			
K4KNS	AUGUSTA	100.0	GA
KC4ZGN	ELLIJAY/TALONA M	77.0	GA
KN4FE	WARM SPRINGS		GA
N4SEI	#JONATHAN CREEK		KY
N5LRQ	COLLINS	136.5	MS
KB5DMT	SENATOBIA	107.2	MS
K4OGB	ALBEMARLE	100.0	NC
WD4PVE	MARION	118.8	NC
KC4PRD	NASHVILLE		TN
KE4SCS	PETERSBURG	127.3	VA
W4CA	ROANOKE/POOR MT		VA
KF8LL	NEW MARTINSVILE		WV
146.4000 / 147.0000			
WA4NNO	ATLANTA		GA
K5UFH	CORINTH		MS
KE5TL	#VANCLEAVE		MS
N5DXM	WATER VALLEY		MS
WD4FVO	JACKSONVILLE		NC
KD4HTW	MARION	192.8	SC
WB4YXZ	PICKENS		SC
KD4CWB	#KNOXVILLE	100.0	TN
W4ZJM	MEMPHIS	*#	TN
W4LG	SUFFOLK	100.0	VA
147.6000 / 147.0000			
W4EEE	BOGART		GA
KE4LR	SHELBYVILLE		KY
KG4M	WILLIAMSBURG		KY
KC5ULN	COLUMBUS		MS
W5IQ	JACKSON		MS
WW4DC	THOMASVILLE	88.5	NC
W4CBX	BLOUNTVILLE		TN
AC4RS	CLARKSVILLE	167.9	TN
KA6UHV	COLLEGEDALE	131.8	TN
KD8ZR	TERRA ALTA		WV
146.4150 / 147.0150			
N4GIS	CARTERSVILLE	100.0	GA
N4YSB	YADKINVILLE		NC
AB4M	LYNCHBURG	131.8	VA
K4AXO	NORTON/HIGH KNB	88.5	VA
147.6150 / 147.0150			
K4EDN	BONAIRE	82.5	GA
KG4OGC	HINESVILLE		GA
AD4RU	IRVINE		KY
N5JHK	MONTICELLO		MS
NC4LC	LINCOLNTON	141.3	NC
KD4MYE	RALEIGH		NC
W4GL	SUMTER	156.7	SC
AF4TZ	NASHVILLE		TN
KE4RX	RCKWD/MT ROSVLT		TN
WF4Q	UNION CITY	107.2	TN
AA8TH	RICHWOOD		WV
146.4300 / 147.0300			
WV5D	LAUREL		MS
KU4OL	MOUNTAIN REST		SC
K4YTZ	ROCK HILL		SC
WA4JST	RICHMOND		VA
147.6300 / 147.0300			
W4REI	ATLANTA/AIRPORT		GA
KD4ULE	HOPKINSVILLE	103.5	KY
W4PJZ	LOUISVILLE	151.4	KY
W5LDD	OCEAN SPRINGS		MS
KG4BTN	GREENSBORO	131.8	NC
KB4DJT	ROANOKE RAPIDS		NC
KK4BQ	BARNWELL	156.7	SC
N4JTH	#N. MYRTLE BEACH		SC
W4BV	FAYETTEVILLE		TN
W4EM	MEMPHIS	107.2	TN
KQ4E	MORRISTOWN		TN
KC8IT	MULLENS		WV
WB8ECC	ST.MARYS/BENS RG		WV
146.4450 / 147.0450			
K4AIH	ANDRWS/ROBNSVL	151.4	NC
147.6450 / 147.0450			
KE4ZRT	DOUGLAS	141.3	GA
KD4AOZ	WATKINSVILLE	123.0	GA
KJ4VF	GRETHEL	100.0	KY
KE4OOS	PARIS	141.3	KY
KB5LCL	MORTON	141.3	MS
W4NHV	LUMBERTON		NC
KC4MJC	#TROUTMAN	77.0	NC
K4ILT	ST. GEORGE	103.5	SC
AF4O	BOLIVAR		TN
W5BAK	LIVINGSTON		TN
K4AYN	NASHVILLE		TN
KE4CKJ	STAUNTON/EL.KB	131.8	VA
WA4SBC	VIRGINIA BEACH		VA
KD4UTV	DELAND, FL	103.5	ZZ
146.4600 / 147.0600			
W4CQ	CHARLOTTE		NC
KD4LDU	CHARLESTON	141.3	TN
KF4AGO	SOUTH BOSTON		VA
KA8PNC	PRINCETON		WV
147.6600 / 147.0600			
WA4DDI	MACON		GA
N4CLA	ROSWELL		GA
W4UCJ	THOMASVILLE		GA
K4LOL	BOWLING GREEN	156.7	KY
W4NJA	PADUCAH	103.5	KY
N5OCF	RICHTON		MS
KB4BR	MACO		NC
W4VFR	SUMTER/SHAW		SC
N4FV	GREENEVILLE	186.2	TN
WA4MQQ	MEMPHIS		TN
N4VFB	SHELBYVILLE		TN
WB4VWR	ENON	107.2	VA
N8ZAR	BUCKHANNON	123.0	WV
147.6700 / 147.0700			
N4MRM	LOUISVILLE	151.4	KY
146.4750 / 147.0750			
KK4MW	CARBO	103.5	VA
NM8T	SMITHERS		WV
147.6750 / 147.0750			
W4CLA	CLAXTON		GA
W4GR	LAWRENCEVILLE	82.5	GA
N4TLP	OWINGSVILLE		KY
NC5Y	JACKSON		MS
K4CCR	NEWTON	88.5	NC
KD4JFN	PITTSBORO	146.2	NC
KT4BU	EASTOVER	156.7	SC
WQ4E	GREENBRIER	107.2	TN
WB4GBI	KNOXVILLE		TN
WF4Q	MCNAIRY	107.2	TN
AD4ZK	NORFOLK		VA
W4PNT	WAYNESBORO		VA
KE8MR	MORGANTOWN	103.5	WV
147.6900 / 147.0900			
KE4RWR	BAINBRIDGE		GA
KC4YHM	EATONTON	179.9	GA
K2YRW	YOUNG HARRIS		GA
KF4CWK	DAWSON SPRINGS	103.5	KY
KJ4YK	PHELPS		KY
KB5DSN	AMORY		MS
N5MRS	NEW HEBRON		MS
WB5FXH	#SUMNER		MS
W4GDF	GREENVL/ESTN NC		NC
KI4DH	STAR/BISCOE	100.0	NC
KF4ATU	ORANGEBURG	156.7	SC
K4JLA	PAULINE		SC
AG4UW	CENTERVILLE	123.0	TN
K4NLP	JAMESTOWN	100.0	TN
W4GMM	MEMPHIS	107.2	TN
W4BRC	GALAX/BRIRP MT		VA
N4TZE	GOOCHLAND		VA
N4RAG	MARLINTON	131.8	WV
147.7050 / 147.1050			
WB6RTH	ATLANTA	107.2	GA
KF4DG	PEMBROKE		GA
N4EQT	FRANKFORT	107.2	KY
WA4ZAC	HARLAN		KY
W5SAR	WAYNESBORO		MS
WA4KNI	HENDERSONVILLE		NC
K4ITL	LILLINGTON	82.5	NC
KD4NEC	CLEVELAND		TN
K4TC	HENDERSON		TN
W4LYR	LEBANON	100.0	TN
WB4JBJ	BEDFORD		VA
KB4ZIN	WILLIAMSBURG		VA
KA8AUW	SPENCER	100.0	WV
147.7200 / 147.1200			
W4CMA	CEDARTOWN		GA
K4HCA	CLARKESVILLE		GA
KT4N	#LINCOLNTON		GA
KA4KMT	#LOUISVILLE		KY
WB4ASZ	WINCHESTER		KY
NO5N	ACKERMAN		MS
N4GAS	GASTONIA/SPCR MT		NC
WN4Z	ROCKY MOUNT	131.8	NC
W4GS	MYRTLE BEACH		SC
W4GGM	COLUMBIA	127.3	TN
N4WAH	MEMPHIS	107.2	TN
W4SKH	OAK RIDGE	82.5	TN
WG8S	PATRICK SPRINGS	107.2	VA
WB8DKM	BRIDGEPORT		WV
WB8NAM	MADISON		WV
147.7350 / 147.1350			
N4BZJ	DALTON	118.8	GA
WR4SG	LAKE PARK	141.3	GA
K4GK	MILLEDGEVILLE	123.0	GA
KF4CME	BARBOURVILLE	100.0	KY
KE4SZK	FRANKLIN	136.5	KY
KF4WMM	SANDY HOOK	107.2	KY
KB5UIX	VOSSBURG	136.5	MS
K4HXZ	BREVARD		NC
K4ITL	CHAPEL HILL	82.5	NC
WA4US	WILMINGTON	67.0	NC
K4CCC	CHESTERFIELD		SC
KG4BZN	WALTERBORO		SC
WB4EDS	ALAMO		TN
N4AZJ	PEARISBURG	100.0	VA
KC4VDZ	RICHMOND	107.2	VA
KE8MR	DAVIS	103.5	WV
KC8TLG	ROCKPORT	123.0	WV
AA2LD	VINELAND, NJ	156.7	ZZ
147.7500 / 147.1500			
WB4GQX	CUMMING		GA
WA4IDS	SAVANNAH		GA
KD4YGK	LEBANON JCT.	203.5	KY
KI5WI	BOONEVILLE		MS
KF5IZ	PEARL/RANKIN CO	88.5	MS

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

K4VLY	MORGANTON		NC
K4ITL	ROANOKE RAPIDS	82.5	NC
WD4NUN	MONCKS CORNER		SC
WA4PCD	NASHVILLE WEST	114.8	TN
K4EAJ	OAK RIDGE	82.5	TN
KB4RFN	CLINCHCO	88.5	VA
KB8YDG	RICHWOOD	100.0	WV
147.7650 / 147.1650			
KE4ZRT	DOUGLAS	141.3	GA
KF4XH	#MACON		GA
N4OME	MADRAS	131.8	GA
N4NEQ	MORGANTON	151.4	GA
W4WSM	BOWLING GREEN		KY
WA4HBM	LEXINGTON		KY
WB4UBY	PRESTONSBURG		KY
W4UA	HIGH POINT		NC
KD4PBK	LUMBERTON	88.5	NC
W4GWD	GREENWOOD	107.2	SC
KF4BRS	ERWIN/UNICOI		TN
KC4YLL	PARIS	114.8	TN
WA4CEX	PURYEAR		TN
KR4BT	SPARTA/WHITE	123.0	TN
W4CM	NEWPORT NEWS		VA
KA8TCF	WESTON		WV
147.7800 / 147.1800			
N4BMA	AUGUSTA		GA
WD4NHW	BALDWIN		GA
WB4BDP	WARNER ROBINS	107.2	GA
KE4ZJT	LONDON	151.4	KY
W4CN	LOUISVILLE	88.5	KY
KC5LIO	WEST POINT		MS
WA1YYN	EFLAND	156.7	NC
AC4RC	WILMINGTON	88.5	NC
W4DXA	FORT MILL		SC
W4HNK	SUMMERVILLE	123.0	SC
WD4DES	CLEVELAND	118.8	TN
WA4KOG	MEMPHIS		TN
K4ZGA	NASHVILLE	114.8	TN
WD4ITN	MONTEREY	100.0	VA
N4NRV	PKS KB/PULASKI	103.5	VA
WD8OHX	LEON		WV
147.7950 / 147.1950			
K4JPD	#AUSTELL	85.4	GA
W4UCJ	BOSTON		GA
KT4SH	CADIZ	103.5	KY
KJ4VF	LEXINGTON		KY
N5YNY	COLUMBIA	136.5	MS
N4NIN	#LENOIR		NC
KO4CW	RALEIGH	88.5	NC
W4APE	FLORENCE		SC
KC4FV	ARNOLD A.F.B.		TN
KD4CWB	KNOXVILLE	100.0	TN
AF4OQ	SARDIS	94.8	TN
WA4RTS	LYNCHBURG	136.5	VA
WT4RA	#SMITHFIELD	100.0	VA
NV8H	LOGAN SOUTH	100.0	WV
147.8100 / 147.2100			
KF4GHF	CONYERS	162.2	GA
K4NLX	SAVANNAH		GA
KB4DFK	BLACK MOUNTAIN	103.5	KY
K4HY	OWENSBORO	110.9	KY
N5SPJ	UNION	100.0	MS
W4BUZ	GREENSBORO		NC
W4SLH	ORIENTAL	151.4	NC
W4NTQ	WHITEVILLE		NC
K4AVU	LITTLE MT.		SC
W4HPL	COOKEVILLE		TN
WF4Q	JACKSON	107.2	TN
KB8NJH	AMBER RIDGE	107.2	WV
N8FMD	CLARKSBURG	103.5	WV
147.8250 / 147.2250			
W8JI	BARNESVILLE		GA
KF4ADI	#COMMERCE		GA
KG4ABK	DOERUN		GA
W4RLP	SUMMERVILLE	100.0	GA
KY4SP	LITCHFIELD	179.9	KY
W5BJT	#FRENCH CAMP		MS
WB4SRV	CLAREMONT	162.2	NC
WR4AGC	HILLSBOROUGH		NC
W4DTW	ST. GEORGE		SC
NO4Q	MCEWEN		TN
WB4OAH	MORRISTOWN		TN
KA4VXR	HAMPTON	136.5	VA
WB8NRK	PRINCETON	114.8	WV
KA1OKQ	CONCORD, NH	100.0	ZZ
147.8400 / 147.2400			
AE4JO	EMERSON	103.5	GA
WB4NFG	IRWINTON	77.0	GA
KC4QK	ASHLAND	107.2	KY
W4GZ	FARMINGTON	91.5	KY
KC4AI	FRANKFORT	100.0	KY
KF4TLT	HYDEN	186.2	KY
W5PPB	PELAHATCIE	77.0	MS
N5ELS	TUPELO		MS
KG4BOS	CARTHAGE		NC
KG4JIA	CHERRY MTN	94.8	NC
W4GHZ	FRANKLIN	151.4	NC
W4IAR	HILTON HEAD		SC
AC4VT	LANCASTER	88.5	SC
K2PJ	MYRTLE BEACH	85.4	SC
W4LKZ	GALLATIN	114.8	TN
KD4ZTK	BOYDTON		VA
N4MGQ	ELK CRK/IRON MT	107.2	VA
AB8WB	#GASSAWAY	123.0	WV
147.8550 / 147.2550			
KR4NQ	SNELLVILLE	107.2	GA
AE4PO	WAYCROSS	141.3	GA
N4IOX	#DIXON		KY
K4CO	HIGHLAND HTS.	123.0	KY
KC5RC	LAUREL		MS
WA4KNI	HENDSVL/PENIC		NC
K4ITL	LEVEL CROSS	82.5	NC
W4RRC	LEESVILLE	123.0	SC
AG4UW	CENTERVILLE	123.0	TN
KJ4SI	PETROS/FRZ HD MT		TN
K4BW	ACCOMAC	156.7	VA
WD4CYZ	#CLINCHCO		VA
KC8CNL	HINTON	100.0	WV
WC8EC	PARKERSBURG		WV
147.8700 / 147.2700			
KF4ZUR	ALLENHURST	162.2	GA
W4VIR	AMERICUS		GA
KF4GHF	COVINGTON	162.2	GA
WB4EJK	LOUISVILLE	151.4	KY
KE4AIE	ST. CHARLES		KY
WB5USN	ABERDEEN		MS
K5ZRO	VICKSBURG	100.0	MS
W4CQ	CHARLOTTE		NC
AK4H	RALEIGH/BENSON		NC
N4SM	WAYNESVILLE		NC
W4ANK	CHARLESTON AREA		SC
WA4JRJ	SENECA/LONG MT		SC
WD4BKY	GALLATIN	114.8	TN
WB0TMC	JACKSON		TN
KE4FH	JOHNSON CITY		TN
WB4IKL	GUM SPRING		VA
KB4QWO	ROANOKE/POOR MT		VA
WV8AR	SCOTT DEPOT	123.0	WV
147.8850 / 147.2850			
W4PVW	ASHBURN/TIFTON	141.3	GA
KA5WZY	ATLANTA		GA
KC4WWU	KINGSLAND	118.8	GA
KC4ZFH	LONDON		KY
KA4FGA	#MARION		KY
N5LJC	COLUMBIA		MS
KB5TGA	CORINTH		MS
W4RCW	TRYON		NC
N4ADM	AIKEN		SC
N4LV	MYB BCH/BRKSVIL		SC
KF4JPT	PIKEVILLE		TN
KF4KVG	MARTINSVILLE	107.2	VA
KA4ZIP	WARSAW		VA
W8LG	PINEVILLE		WV
N8HON	SPRUCE KNOB		WV
W3PS	OCEAN CITY, NJ	146.2	ZZ
147.9000 / 147.3000			
N4ALE	COLBERT		GA
WB4YSV	ROME		GA
WR4MG	WARNER ROBINS	107.2	GA
K4ICN	ALLEN	123.0	KY
WA4SJH	SPRINGFIELD		KY
KA5LNY	MAGEE		MS
W4YSB	JEFFERSON	103.5	NC
N4JEX	KANNAPOLIS	136.5	NC
W4MZP	RED SPRINGS		NC
WB4IUY	WILSON	88.5	NC
K4LWS	AWENDAW	103.5	SC
W4CAT	GALLATIN	114.8	TN
W4BBB	KNOXVILLE/RACK	100.0	TN
WA4ADT	MEMPHIS	107.2	TN
W4LG	FRANKLIN	131.8	VA
KI4ZR	LEXINGTON	131.8	VA
WB8NSL	HARISVL/PENSBRO	100.0	WV
147.9150 / 147.3150			
AD4EQ	DOUGLAS	141.3	GA
W4STJ	FORSYTH	88.5	GA
W4LJM	#HODGENVILLE		KY
KC4VXR	SALEM		KY
N5DWU	WAYNESBORO		MS
KF4HFQ	ROLESVILLE	88.5	NC
K4MPJ	SAURATOWN MT	100.0	NC
K4PPD	SHALLOTTE	118.8	NC
K4JLA	SPARTANBURG		SC
KD4HZN	ROGERSVILLE	114.8	TN
N4ARK	SPARTA	123.0	TN
KE4VQM	TELLICO PLAINS	141.3	TN
K4HWQ	GRUNDY		VA
W3PS	PHILADELPHIA, PA	156.7	ZZ
147.9300 / 147.3300			
W3LAP	COCHRAN	77.0	GA
WB4BXO	LAGRANGE		GA
K4NLX	SAVANNAH		GA
N4MTN	TOCCOA		GA
WA8KWH	ASHLAND		KY
KA4CFW	BOWLING GREEN		KY
WD4KNE	#MT. STERLING		KY
N4IUI	#PROVIDENCE		KY
N5EPP	PHILADELPHIA		MS
WA4FLR	FAYETTEVILLE		NC
KN4K	LENOIR/HIBRITN	141.3	NC
KF4GHC	COLUMBIA	156.7	SC
WD4ORB	MORGAN COUNTY	82.5	TN
WD4RBJ	PULASKI	100.0	TN
KI4ZR	LEXNGTN/ROCK MT.		VA
147.9450 / 147.3450			
N4NEQ	ATLANTA/MARIETTA	151.4	GA
N4PJR	JESUP/SCREVEN		GA
WD4JZH	LEBANON	151.4	KY
KF4TLT	STINETT		KY
KG5SF	GREENVILLE		MS
N5ZMZ	UTICA		MS
WA4IXW	MADISON	103.5	NC
W4NYR	SHELBY		NC
KF4DTL	SYLVA	151.4	NC
WA4TEP	WASHINGTON		NC
KF4CDR	CHARLESTON		SC
KB4RRC	PALMETTO		SC
K4BBN	CROSS PLAINS		TN
K4PHT	DAYTON		TN
NM4L	ABINGDON	103.5	VA
KC4KMY	EASTVILLE	156.7	VA
W3RUA	FRANKLIN		WV
NU8K	LOGAN/SUMERCO		WV
147.9600 / 147.3600			
W4SCR	DOUGLASVILLE	88.5	GA
WA4HZX	DUBLIN		GA
KQ9Z	LOUISVILLE		KY
W5CJR	HATTIESBURG		MS
KC5QGC	LOUISVILLE		MS
K5SVC	NATCHEZ	100.0	MS
WA4J	BOONE/RICH MTN	103.5	NC
WD4LDB	DURHAM		NC
W4PET	LUMBERTON		NC
N4EOY	COLUMBIA		SC
KA4OAK	LAFOLLETTE		TN
W4BS	MEMPHIS	107.2	TN
AF4TZ	NASHVILLE		TN
K4KLX	PARIS		TN
KA4CBB	CHESTERFIELD		VA
KB4OLM	STUARTS DRAFT		VA
N8FWL	BECKLEY	123.0	WV
WV8TC	MIDDLEBOURNE	110.9	WV
K7SOB	SKYLINE	127.3	WV
147.9750 / 147.3750			
K4TQU	ATHENS/CRAWFRD	127.3	GA
KB4VAK	LAFAYETTE	77.0	GA
K4XYZ	BUCKHORN LAKE	103.5	KY
K4CO	WALTON	123.0	KY
KA5VFU	GULFPORT		MS
KD4EAD	BETHEL	151.4	NC
KD4WAR	BURNSVILLE		NC
K4GWH	GRAHAM	114.8	NC
KI4CB	GEORGETOWN		SC
K4LEO	#GREENWOOD		SC
KN4HL	DICKSON		TN
W4NRV	PEARISBURG	100.0	VA
WD8LNB	GRAFTON	118.8	WV
147.9800 / 147.3800			
WB5NAY	PONTOTOC		MS
147.9900 / 147.3900			
KE4SNT	#BLACK ROCK MT		GA
W4CJB	PEMBROKE		GA
W4OHH	THOMASTON	131.8	GA
N4INT	#ARTEMUS	107.2	KY
WR8CRA	COVINGTON	123.0	KY
KF4TOL	CRESTWOOD	151.4	KY
N8QCW	LOUISA	127.3	KY
KC5QHP	FOREST	100.0	MS
WB4IUY	CLAYTON	88.5	NC
WA4QBG	EDEN/STONEVILLE		NC
WA4CHZ	LOCUST	100.0	NC
K4PPD	SHALLOTTE		NC
N4DTR	WAYNESVILLE		NC
KA4FEC	LEXINGTON		SC
KF4L	CLARKSVILLE	123.0	TN
K4DPD	DAYTON/RHEA CTY		TN
KQ4E	#MORRISTOWN		TN
WA4BJY	OAKFIELD		TN
KF4TNP	#RICHLAND	167.9	TN
K4ARO	PETERSBURG		VA
N8RCG	KEYSER	123.0	WV
WV8D	LEWISBURG	100.0	WV
WD8CYV	PARKERSBURG	141.3	WV

220 MHZ

222.1800 / 223.7800			
WD8OHX	#LEON		WV
222.3000 / 223.9000			
WB4SJV	HERMITAGE		TN
222.3400 / 223.9400			
KC4QK	ASHLAND		KY
N4GSM	ROBBINSVILLE		NC
W4ZJM	MEMPHIS	*#	TN
222.3600 / 223.9600			
WR3S	SMITHVILLE		TN
AA2LD	MILLVILLE, NJ	156.7	ZZ
222.3800 / 223.9800			
W4CAT	GALLATIN	107.2	TN
W3PS	OCEAN CITY, NJ	156.7	ZZ
222.4200 / 224.0200			
WB4JEH	#CONYERS		GA
222.4600 / 224.0600			
W4NYR	SHELBY		NC
222.5000 / 224.1000			
K4SWS	EATONTON	179.9	GA
KA4UHL	NANCY	100.0	KY
KF4TNP	LEWISBURG		TN
WB4YHD	FAIRFAX		VA
N4CH	ROANOKE		VA
222.5200 / 224.1200			
N4NFP	ATLANTA/MARIETTA	151.4	GA
WM4MD	MIDDLESBORO	82.5	KY
K4ITL	CHAPEL HILL		NC
W4GL	SUMTER		SC
WV8B	FLAT TOP/WINTRPL	100.0	WV
222.5400 / 224.1400			
KD4ALC	WALESKA		GA
WR4BEG	SOPHIS/RANDLEMAN		NC
WB4QHF	PICKENS/CSRS HD	131.8	SC
KB4PNG	ONEIDA		TN
N4HRV	CHARLOTTESVILLE	88.5	VA
WR8M	WILLIAMSON		WV
222.5600 / 224.1600			
KC4JNN	BISKEY MTN	100.0	GA
KN4K	LENOIR/HIBRITN		NC
K4ITL	RALEIGH		NC
N7GZT	COLUMBIA		SC
WR3S	NASHVILLE		TN
KF4VED	BLUEMTN		VA
222.5800 / 224.1800			
N4YDX	DALLAS		GA
N7GZT	ORANGEBURG		SC
KB8FPK	ERWIN		TN
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
222.6000 / 224.2000			
KC4OVY	#ATLANTA-NE	100.0	GA
WA4US	WILMINGTON		NC
W4ILY	GREENVILLE		SC
W4CBX	BLOUNTVILLE		TN
W4JAS	HAMPDEN-SYDNEY		VA
222.6200 / 224.2200			
KB0Y	RAY CITY	141.3	GA
AD4CR	VERSAILLES		KY
NF4C	ROCKY MOUNT		NC
KB4FZK	KNXVL/CROSS MT	100.0	TN
KO4BN	SPRINGFIELD		TN
N3HXT	WINCHESTER		VA
KC8LRN	HILLSBORO	131.8	WV
222.6400 / 224.2400			
N4YYD	FT MT/CHATSWTH	71.9	GA
WA4KNI	HENDSVL/BERWLW		NC
KE4QOX	KVILLE/HIPOINT	107.2	NC
N8FWL	BECKLEY	123.0	WV
222.6600 / 224.2600			
KE4QFG	MARIETTA	110.9	GA
K4NLT	GARRETT	79.7	KY
WA4BVW	ASHVL/MT PISGAH		NC
WR4AGC	HILLSBOROUGH		NC
N4PYI	SHORT MTN.	114.8	TN
222.6800 / 224.2800			
N4MNA	CONLEY		GA
AC4RZ	PICKENS		SC
KA4OAK	LAFOLLETTE		TN
AB4M	LYNCHBURG		VA
222.7000 / 224.3000			
KB4TIW	VILLA RICA	131.8	GA
KA4MKT	LOUISVILLE		KY
N4AI	SOMERSET		KY
WA4WRS	BARIUM SPRINGS		NC
KE4CKJ	STAUNTON/EL KNOB	131.8	VA
222.7200 / 224.3200			
N4MTA	ACWORTH/ATL	123.0	GA
KA4SQN	JACKSONVILLE		NC
W4IT	PICKENS/SASFR MT		SC
KK4US	CLEVELAND		TN
223.7200 / 224.3200			
K4TDO	LYNCH		KY
222.7400 / 224.3400			
W4DOC	ATLANTA		GA
WW4DC	THOMASVILLE	88.5	NC
WB4GBI	KNOXVILLE		TN
KM4OI	TYSONS CORNER		VA
N8FWL	BECKLEY/OAK HILL	123.0	WV
222.7600 / 224.3600			
N4BZJ	DALTON		GA
WB4PAC	#GRIMESLAND		NC
WA4TG	MARSHALL		NC
WR3S	LAVERGNE		TN
KE4JSV	LURAY		VA
WB8YST	CHARLESTON	107.2	WV
222.7800 / 224.3800			
N4RBT	DAHLONEGA	100.0	GA
WR4AMS	META		KY
N4OQJ	KNOXVILLE	100.0	TN
WS4W	RIDGEWAY		VA
222.8000 / 224.4000			
KC4AQS	JASPER	100.0	GA
W4BFB	CHARLOTTE		NC
WB4QHF	PICKENS	131.8	SC
KB4YGI	COLLIERVILLE		TN
N4RBB	MORRISTOWN		TN
W8COX	SUTTON	123.0	WV
W3PS	POTTSTOWN, PA	156.7	ZZ
222.8200 / 224.4200			
KD4AOZ	WATKINSVILLE	123.0	GA
AC4AO	LEXINGTON		KY
N4PJX	CLARKESVILLE	123.0	TN
W4BS	MEMPHIS		TN
WD4GSM	NORTON/HIGH KNB		VA
WG8S	PATRICK SPRINGS	103.5	VA
WD4KHP	BELL KNOB		VA
222.8400 / 224.4400			
N4NEQ	ATLANTA/MARIETTA	151.4	GA
WB4GUG	GREENSBORO	107.2	NC
KN4CW	WEST SPRINGS		SC
KC4TFQ	#NASHVILLE		TN
N2FUV	SEVIERVILLE		TN
N8FWL	BLUEFIELD	123.0	VA
222.8600 / 224.4600			
N4BZJ	DALTON	118.8	GA
KB0Y	VALDOSTA	141.3	GA
K4XYZ	BUCKHORN LAKE	103.5	KY
KC4ZTJ	SHELBY		NC
WR3S	NASHVILLE		TN
222.8800 / 224.4800			
KC4FWC	LOCUST		NC
K4ZGA	NASHVILLE		TN
KD4HZN	ROGERSVILLE		TN
222.9000 / 224.5000			
N4MTA	ACWORTH/ATL	123.0	GA
N4FND	SHEPHERDSVILLE	151.4	KY
N4DRL	BYHALIA		MS
AD4DN	WILMINGTON	88.5	NC
KG4JIA	GAFFNEY	123.0	SC
W4BBB	KNOXVILLE/RACK	100.0	TN
K4RCA	MARTINSVILLE		VA
222.9200 / 224.5200			
KE4AIS	PINE LOG MTN		GA
WR4AMS	DORTON		KY
KD4CJG	ASHEVILLE	91.5	NC
N7GZT	LITTLE MTN		SC
222.9400 / 224.5400			
N4YEA	DALLAS		GA
WA4BVW	MT MITCHELL		NC
N8ITF	SPRINGFIELD	107.2	TN
WB4PVT	HAMPTON	100.0	VA
N8FWL	BECKLEY - WEST	123.0	WV
222.9600 / 224.5600			

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

W4RRG	LOOKOUT MT		GA
KD4RXF	LANCASTER		KY
WB4YZF	FAYETTEVILLE		NC
N5CWH	LEESVILLE	162.2	SC
AC4JF	NEWPORT	100.0	TN
K4YW	WYTHEVILLE	77.0	VA
KC8CSE	GREENBANK	123.0	WV
222.9800 / 224.5800			
NX9O	ALPHARETTA	100.0	GA
WB4F	PIKEVILLE		KY
KR4AA	ROCKY MOUNT		NC
KB4VFD	CROSS		SC
N4KFI	KNOXVILLE	103.5	TN
223.0000 / 224.6000			
W4UWH	JASPER	100.0	GA
WB4PLA	ASHEVILLE		NC
KC4KUL	#BIG PHOENIX MTN	100.0	NC
KD4TZZ	MURFREESBORO	123.0	TN
W4LG	LAKE GASTON		VA
223.0200 / 224.6200			
W4PME	ATLANTA/BELL	100.0	GA
KD4DAR	PIKEVILLE		KY
KC4IRA	GASTONIA	127.3	NC
KD4JFN	HAW RIVER	107.2	NC
W4UWH	GATLINBURG		TN
W4GSF	GLOUCESTER		VA
223.0400 / 224.6400			
W4RRG	LOOKOUT MT.		GA
KG4JIA	CHERRY MTN	71.9	NC
W4RNC	RALEIGH		NC
N7GZT	COLUMBIA		SC
KC4RGQ	MORRISTOWN		TN
N8FWL	HINTON/BECKLEY		WV
223.0600 / 224.6600			
NP2Y	YOUNG HARRIS	100.0	GA
KE4RQL	BIG KNB/MARS HIL	100.0	NC
WA1YYN	EFLAND	107.2	NC
W4VFR	SUMTER/SHAW		SC
WR3S	NASHVILLE		TN
223.0800 / 224.6800			
N4BZJ	DALTON		GA
WB4KPF	WILMINGTON		NC
KA4RCL	WAYNESBORO	131.8	VA
W3PS	EAGLEVILLE, PA	156.7	ZZ
223.1000 / 224.7000			
W4TIY	DALLAS		GA
WB9SZL	CLEMMONS	100.0	NC
KM4TC	DUNCAN	88.5	NC
KD4VUW	GALLATIN		TN
KD4IBW	SEVIERVILLE	100.0	TN
K4ARO	PETERSBURG		VA
WS8L	CHARLESTON	123.0	WV
223.1200 / 224.7200			
W4UWH	CLAYTON		GA
WR4AMS	PRESTONSBURG		KY
WA4DAN	TRENTON		NC
K4MFD	GRNVL/VIKING	173.8	TN
KC8LRN	SLATY FORK	91.5	WV
223.1400 / 224.7400			
N4KVC	DALTON		GA
KD4WAR	BURNSVILLE		NC
N4NCK	OXFORD		NC
N4PYI	NASHVILLE	100.0	TN
KC4JGC	NORFOLK	100.0	VA
N8FWL	BECKLEY - SOUTH	123.0	WV
223.1600 / 224.7600			
W4BOC	#DECATUR		GA
KB7BTU	PLYMOUTH	131.8	NC
W4EXU	SALISBURY		NC
WQ4E	GREENBRIER		TN
K4PCK	KNOXVILLE		TN
WR3S	S. PITTSBURG		TN
WA4TFZ	CHARLOTTESVILLE		VA
223.1800 / 224.7800			
KC4KLW	CEDARTOWN	179.9	GA
WB5OWY	VICKSBURG		MS
N4IV	EDEN	103.5	NC
KO4BR	ORANGEBURG		SC
K4VCM	CHATTANOOGA		TN
KE4FH	JC/BUFFALO MT		TN
WA4KOG	MEMPHIS		TN
W4IY	WOODBRIDGE		VA
223.2000 / 224.8000			
WA4SSJ	JERSEY	103.5	GA
KR4BD	LEXINGTON		KY
WZ4SC	FORT MILL		SC
WQ4E	GREENBRIAR		TN
KD4IBW	SEVIERVILLE		TN
KC8LRN	LEWISBURG	131.8	WV
KA1OKQ	CONCORD, NH	103.5	ZZ
223.2200 / 224.8200			
KK4C	ATLANTA	77.0	GA
WR4MG	HAWKINSVILLE	107.2	GA
WR4AMS	HAZARD		KY
N4DWU	CANTON		NC
KF4IXK	KERNERSVILLE	107.2	NC
223.2400 / 224.8400			
W4TL	GAINESVILLE	203.5	GA
WR4MG	WARNER ROBINS		GA
WA4NC	BANNER ELK		NC
WA4DAN	GRIFTON		NC
KC4WGH	COALFIELD	88.5	TN
KC4PRD	NASHVILLE		TN
N4PLV	BEDFORD		VA
N8FWL	ANSTED	123.0	WV
223.2600 / 224.8600			
KC4JNN	ALPHARETTA	100.0	GA
K4NOC	BISHOPVILLE		SC
KQ4Q	PEARISBURG	107.2	VA
223.2800 / 224.8800			
WD4LUQ	YORKVILLE	77.0	GA
N4AI	SOMERSET		KY
N4DRL	WARSAW		MS
K4AIH	ANDRWS/ROBINSVL		NC
W4JYV	CARY	88.5	NC
K4DQ	FANCY GAP	100.0	VA
223.3000 / 224.9000			
W4LMA	MARIETTA		GA
N4EQT	LAWRENCEBURG	107.2	KY
N4EOY	COLUMBIA		SC
W4WC	GREENEVILLE	100.0	TN
WD9JGI	SWEETWATER	127.3	TN
AA4HQ	DELTAVILLE		VA
K4YDG	ROANOKE/TINKER		VA
223.3200 / 224.9200			
W4CSX	SNELLVILLE	100.0	GA
W4NYK	GRNVL/DOWNTWN	88.5	SC
W4RRG	CLEVELAND		TN
WA8O	BLUEFIELD		VA
223.3400 / 224.9400			
WB4KXO	AUGUSTA		GA
KB4GDS	WALESKA		GA
AD4RU	IRVINE		KY
N4JJ	FLORENCE		SC
WB4NKM	GREENEVILLE		TN
WA4PCD	NASHVILLE		TN
AB4EM	ROANOKE/CAHAS MT		VA
223.3600 / 224.9600			
K4RFL	ATLANTA/MARIETTA	100.0	GA
KC4ZTJ	CHERRYVILLE		NC
W3PS	GOLDSBORO	156.7	NC
N4QVI	GREENSBORO		NC
N4UQS	HENDERSONVILLE		NC
WR3S	SE NASHVILLE		TN
W3PS	CHESTER, PA	156.7	ZZ
223.3800 / 224.9800			
K4JSR	CUMMING		GA
WR4AMS	LONDON		KY
W4LG	CHESAPEAKE		VA

440 MHZ

426.0500 / 420.0500			
KB4CVN	LYNCHBURG	136.5	VA
434.0000 / 421.2500			
W4ZTL	ATLANTA/BELL		GA
K4NLX	SAVANNAH		GA
KJ4SO	DURHAM TV HILL		NC
KO4AT	GREENSBORO		NC
WD4ATV	JOHNSON CITY/BUF		TN
WA4GSS	HUNTINGTON		WV
KB8QHO	WHEELING		WV
439.2500 / 421.2500			
W4BEJ	ELIZABETHTOWN		KY
W4PPN	CHARLOTTE		NC
N4GUP	LEXINGTON		SC
WZ4O	SUMTER		SC
AF4TZ	NASHVILLE		TN
N4XND	GLOUCESTER		VA
W4HTB	BOWLING GREEN		KY
KA5NOJ	GAUTIER		MS
N3XA	WAYNESBORO		VA
WA4VHP	SAVANNAH		GA
W4NYR	#SHELBY		NC
438.7750 / 433.0750			
WA3KOK	CHESTERFIELD		VA
438.8000 / 433.2000			
WD4ICX	FANCY GAP		VA
446.2500 / 441.2500			
NQ4Y	MONTEAGLE MT.		TN
446.3500 / 441.3500			
KD4DXR	#WALESKA		GA
WA4USN	KNIGHTSVILLE		SC
446.4500 / 441.4500			
WA4USN	MT. PLEASANT		SC
446.5250 / 441.5250			
N4KJU	PAINTSVILLE	127.3	KY
KY4SP	WEBSTER		KY
KG4AQH	GREELEYVILLE		SC
446.6000 / 441.6000			
WA4AYB	RICHMOND		VA
446.6250 / 441.6250			
W4ERT	TAYLORSVILLE	123.0	NC
446.8000 / 441.8000			
KC4YNF	ACWORTH	77.0	GA
AF4MI	PEMBROKE	123.0	GA
446.8250 / 441.8250			
KA4MLK	ROME	100.0	GA
446.8500 / 441.8500			
KF4QLF	GRIFFIN		GA
K4WOC	SUGAR VALLEY	103.5	GA
KY4DJ	FORT WRIGHT	107.2	KY
446.8750 / 441.8750			
K4NRC	NEWNAN	156.7	GA
KD4TZZ	MURFREESBORO	107.2	TN
446.9000 / 441.9000			
WB4GQX	CUMMING	141.3	GA
N2QJI	ZIRCONIA	94.8	NC
446.9250 / 441.9250			
W4CSX	DALLAS	162.2	GA
446.9500 / 441.9500			
KE4OKD	SANDY SPRINGS	156.7	GA
K4TUE	NEWPORT	107.2	VA
446.9750 / 441.9750			
WB4ULK	COLUMBUS		GA
KF4ADI	COMMERCE	123.0	GA
KG4BTN	GREENSBORO	162.2	NC
447.0000 / 442.0000			
WB6RTH	ALPHARETTA	107.2	GA
AF4UL	MACON	100.0	GA
N4ORL	LOUISVILLE		KY
N4HAJ	KINSTON	88.5	NC
AI4M	GAFFNEY	114.8	SC
K4TTC	HOHENWALD		TN
K4BTL	MARYVILLE		TN
W4LG	GASBURG		VA
WB3T	WYTHE/WALKER MT	103.5	VA
447.0250 / 442.0250			
W4CML	ATLANTA	127.3	GA
KD4KMK	YADKINVILLE	100.0	NC
WJ9J	CHATTANOOGA		TN
447.0500 / 442.0500			
N1KDO	MARIETTA	107.2	GA
KD4ADJ	LEXINGTON		KY
WA1YYN	EFLAND	107.2	NC
KD4XV	JASPER	127.3	TN
WB4SQC	#JOHNSON CITY		TN
WA4BJY	MEDINA		TN
447.0250 / 442.0750			
W8BLA	ROSWELL		GA
447.0750 / 442.0750			
N4VOS	STANTON		KY
KD4PBS	APEX	114.8	NC
K4JLA	COLUMBUS	103.5	NC
N4JDW	WILMINGTON	88.5	NC
KJ4BJ	DAYTON		TN
KA4BNI	LEXINGTON	107.2	TN
KF4UCI	CHARLOTTESVILLE	151.4	VA
447.1000 / 442.1000			
K4HUM	NORCROSS	100.0	GA
N4RBL	LOUISVILLE AREA		KY
N4IV	WENTWORTH	103.5	NC
K4USC	UNION		SC
KF4TNP	LEWISBURG	107.2	TN
WD4PAX	MILAN		TN
447.1250 / 442.1250			
W4ZT	ATL/UNION CITY	100.0	GA
KD4GRU	BLUERIDGE	146.2	GA
KG4IWI	HENDERSON	88.5	NC
WT4IX	NEWEL	156.7	NC
WT4F	PICKENS		SC
KB4YFV	HILLSVILLE	103.5	VA
447.1500 / 442.1500			
N4SE	ROSWELL/BELL	100.0	GA
KD4RTR	DORTON	167.9	KY
W4UNC	CHAPEL HILL	131.8	NC
N4SJW	CHARLESTON		SC
WJ9J	CHATTANOOGA		TN
KA4BNI	DRESDEN	107.2	TN
WD4RBJ	PULASKI	118.8	TN
KA4CBB	CHESTERFIELD		VA
447.1750 / 442.1750			
N4BZJ	DALTON	118.8	GA
K4NGQ	FRANKFORT	67.0	KY
KC4UBR	LINVILLE	136.5	NC
KE4GYN	ROXBORO	156.7	NC
WA4US	WILMINGTON		NC
KU4ZS	SPARTANBURG	123.0	SC
W4GMM	MEMPHIS	107.2	TN
447.2000 / 442.2000			
KF4SKT	BLAIRSVILLE		GA
N3APR	DECATUR		GA
N5DWU	ELLISVILLE	167.9	MS
WA4US	WILMINGTON		NC
N7GZT	COLUMBIA	162.2	SC
WM4T	GRAY	100.0	TN
WA4BJY	OAKFIELD		TN
N4IFC	LYNCHBURG/T.ROW	103.5	VA
447.2250 / 442.2250			
WB6RTH	#ATLANTA	107.2	GA
WJ9J	RCKWOOD/OZONE		TN
NO4Q	WAVERLY	110.9	TN
447.2500 / 442.2500			
K4HAC	MADRAS	141.3	GA
N5DWU	ELLISVILLE	136.5	MS
KB4PQA	GREENVILLE		SC
WD4DES	CLEVELAND	118.8	TN
WA4PGI	COVINGTON	100.0	VA
447.2750 / 442.2750			
K4DDH	MACON	100.0	GA
N4ZCM	AUBURN		NC
KO0NTZ	LEXINGTON	146.2	NC
KF4CFO	ETOWAH	141.3	TN
KE4PFW	HENDERSON		TN
K8VKB	RICHWOOD	123.0	WV
447.3000 / 442.3000			
KW4KW	RINGGOLD	118.8	GA
WW4T	STATHAM		GA
KC4QPR	MORG/WALKER TOP	94.8	NC
KC4ED	SUMMERVILLE		SC
WA4UCE	COOKEVILLE	107.2	TN
KC4VDZ	RICHMOND	114.8	VA
447.3250 / 442.3250			
W4JLG	MABLETON		GA
WM4MD	MIDDLESBORO	67.0	KY
K2IMO	ELM CITY	88.5	NC
447.3500 / 442.3500			
WD4NHW	BALDWIN		GA
KD4TAH	RUSSELLVILLE	136.5	KY
KF5TU	LAKE GASTON	100.H	NC
WA4YGD	LINCOLNTON		NC
KF5TU	MCKINNEY, TX	100.0	ZZ
447.3750 / 442.3750			
KE4QFG	MARIETTA		GA
KE4YRE	SHELBYVILLE		KY
WA4PXV	HICKORY		NC
KG4CEO	CUMBERLAND FU	107.2	TN
447.4000 / 442.4000			
N4UER	WARM SPRINGS		GA
KF4JJD	GARRETT	79.7	KY
AA4XV	LATONIA		KY
WB4QHF	PICKENS/CSRS HD	127.3	SC
KF4YI	LYNCHBG/JACK MT.	107.2	VA
447.4250 / 442.4250			
K4SWS	EATONTON		GA
KC4FIE	MADISONVILLE		KY
K4AE	LEXINGTON	107.2	NC
AF4ZJ	CHAT/WALDEN		TN
KA4BNI	JACKSON	107.2	TN
447.4500 / 442.4500			
W4CML	SNELLVILLE		GA
KD4CLR	LOUISVILLE AREA	151.4	KY
WA4TOG	HENDERSONVILLE		NC
N4LMR	RALEIGH		NC
KD4NED	CLEVELAND	88.5	TN
W8MOP	BLUEFIELD		VA
WA3KOK	CHESTERFIELD	107.2	VA
447.4750 / 442.4750			
K4NVG	LAVONIA	203.5	GA
W4RRG	LOOKOUT MT.	67.0	GA
W1MED	MARLOW	114.8	GA
KE4DGP	WILKESBORO	107.2	NC
AG4AN	FOREST		VA
447.5000 / 442.5000			
AB4KN	PEACHTREE CITY	77.0	GA
KE4PMP	VIDALIA	88.5	GA
KB4RYM	LOUISVILLE		KY
K4GFY	MOREHEAD		KY
KG4JIA	CHERRY MTN	94.8	NC
K4YNY	WILMINGTON	88.5	NC
WB4HAP	KNOXVILLE	103.5	TN
K1YJ	NASHVILLE	123.0	TN
W4CA	ROANOKE/POOR MT		VA
447.5250 / 442.5250			
N4XQM	ATLANTA	110.9	GA
KY4JD	FORT WRIGHT	123.0	KY
N2QJI	CONCORD	94.8	NC
WB3T	WYTHEVILLE	103.5	VA
447.5500 / 442.5500			
WB4JEH	CONYERS	151.4	GA
WD4ELX	LOUISVILLE		KY
WA4TOG	ASHEVILLE		NC
K1BUD	PITTSBORO		NC
W4RAT	RICHMOND	127.3	VA
447.5750 / 442.5750			
WA4BPY	CUMMING	79.9	GA
AE4LW	MADISONVILLE	100.0	KY
W4MLU	RALEIGH		NC
KU4RT	HENDERSON		TN
NU5O	MEMPHIS	77.0	TN
WB4IVB	JONESVILLE	100.0	VA
447.6000 / 442.6000			
KD4FOC	DUBLIN	77.0	GA
WA4OKJ	MARIETTA	100.0	GA
KD4ADJ	MT STERLING		KY
WD4NWV	ANDRWS/ROBINSVL	151.4	NC
WA4PXV	VALDESE		NC
N8ITF	SPRINGFIELD	107.2	TN
K4ARO	PETERSBURG		VA
K4ARO	ROANOKE		VA
447.6250 / 442.6250			
W4ABP	GAINESVILLE	131.8	GA
KD4CDX	HARLAN	100.0	KY
KE4KIV	NEWTON		NC
WB4EPG	MEMPHIS		TN
447.6500 / 442.6500			
KE4FHN	DANIELSVILLE		GA
W4RRG	LOOKOUT MT	100.0	GA
KD4GEU	ASHEVILLE		NC
N4IBM	CHARLOTTE		NC
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
447.6750 / 442.6750			
KE4PVE	ATLANTA	100.0	GA
KD4BOH	ROCKPORT	77.0	KY
KA2NAX	MORAVIAN FALLS	88.5	NC
NC4SU	RALEIGH	100.0	NC
WA4MPZ	BLUFFTON	100.0	SC
KA4BNI	CONCORD	107.2	TN
447.7000 / 442.7000			
KC4ZGN	ELLIJAY	77.0	GA
W4MAZ	MACON	97.4	GA
K4NLX	SAVANNAH		GA
KC4YOT	GASTONIA	88.5	NC
N4FV	GREENVILLE		TN
WA4PZN	SHELBYVILLE		TN
W7CP	ROANOKE		VA
447.7250 / 442.7250			
KE4QFG	MARIETTA/ATL		GA
KB4YJ	LOUISVILLE	151.4	KY
N5LRQ	VOSSBURG	167.9	MS
AA4LB	SIMPSONVILLE	100.0	SC
W4RDM	COLUMBIA		TN
KE4MBR	DECATUR	141.3	TN
KF4RMT	BASSETT		VA
KB8PCW	GILBERT		WV
447.7500 / 442.7500			
N3DAB	JASPER	141.3	GA
KD4HEY	ANDERSON	162.2	SC
KE4SWV	CASTALIAN SPRING	123.0	TN
WD4KZK	ROANOKE/MILL MT	107.2	VA
447.7750 / 442.7750			
K4VJM	FLOWERY BRANCH		GA
KC4FIE	MADISONVILLE		KY
KG4LWG	GASTONIA	123.0	NC
KF4CDR	CHARLESTON		SC
AE4PZ	MOUNTAIN REST	127.3	SC
KE4CIF	PULASKI		VA
447.8000 / 442.8000			
N4NFP	ATL/MARIETTA		GA
N4AAD	YADKINVILLE	100.0	NC
WD4LUR	LAKE CITY	100.0	TN
KA4BNI	SELMER	107.2	TN
KB4MIC	GUM SPRING		VA
447.8250 / 442.8250			
W1CP	CLAYTON	162.2	GA
KC4ENL	HAPEVILLE	167.9	GA
WF4G	MEMPHIS		TN
KT4PN	ONEIDA		TN
447.8500 / 442.8500			
WB4HJG	LAWRENCEVILLE	82.5	GA
W2HR	GILBERTSVILLE	103.5	KY
AG4AZ	BREVARD		NC
KA4IXK	ROANOKE/POOR MT		VA

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

WB8NSL	PENNSBORO	103.5	WV
447.8750 / 442.8750			
K4RFL	ATLANTA/MARIETTA	100.0	GA
W3LAP	COCHRAN	77.0	GA
W4GSO	GREENSBORO	88.5	NC
KC4WHL	HARRIMAN	136.5	TN
KF4OCK	LORETTO	203.5	TN
447.9000 / 442.9000			
KF4RLZ	LAWRENCEVILLE	123.0	GA
WR4MG	WARNER ROBINS		GA
W4CMR	IRVINE		KY
WW4DC	THOMASVILLE	88.5	NC
N4WT	CHATT/HIXSON		TN
KA1FFO	CLARKSVILLE	110.9	TN
KE4CES	JACKSON	114.8	TN
W4MT	NEWPORT NEWS	100.0	VA
447.9250 / 442.9250			
KC4YHM	EATONTON		GA
K4CH	LEXINGTON	107.2	NC
WD4OAR	WHITE OAK MT	100.0	TN
KB8QKM	CHARLESTON	71.9	WV
447.9500 / 442.9500			
AA4AI	ATHENS	179.9	GA
N4XGI	ST SIMONS ISLAND	131.8	GA
W4ERT	TAYLORSVILLE	151.4	NC
KC4YLL	PARIS	123.0	TN
AB4FU	LYNCHBURG		VA
K4DA	NORFOLK	131.8	VA
447.9750 / 442.9750			
WA4YNZ	ATLANTA		GA
WA4YNZ	#ROSWELL		GA
AG4TY	WAYNESBURG		KY
KF4DAR	KERNERSVILLE	107.2	NC
NK4W	LITTLE MT	162.2	SC
KB8KSP	ABINGDON	100.0	VA
448.0000 / 443.0000			
W4DRC	CHATSWORTH		GA
KE4ZRT	DOUGLAS	141.3	GA
KT4GB	BARDSTOWN		KY
KD4DVI	PADUCAH	179.9	KY
KI4RK	GOLDSBORO	100.0	NC
KW4LS	LEBANON	100.0	TN
W4ZJM	MEMPHIS	*#	TN
KM4X	WHITETOP MT	103.5	VA
N8HZ	HUNTINGTON		WV
W3PS	LINWOOD, PA	156.7	ZZ
448.0250 / 443.0250			
W4CML	ATLANTA	127.3	GA
KD4IEZ	DUBLIN	156.7	GA
KE4OOL	LEXINGTON	123.0	KY
WB4IKY	GIBSONVILLE	107.2	NC
N4UAG	KNOXVILLE		TN
KA8YEZ	WHEELING	77.0H	WV
448.0500 / 443.0500			
NE1H	SNELLVILLE		GA
W3PS	GOLDSBORO	156.7	NC
W1WBT	SAURATOWN MTN	136.5	NC
WB4PUB	#NASHVILLE	107.2	TN
N8FWL	BECKLEY	123.0	WV
W3PS	CHESTER, PA	156.7	ZZ
448.0750 / 443.0750			
WA4EOC	CANTON		GA
WX4EMA	#MACON	156.7	GA
WR4BEG	SOPHIA/RANDLEMAN		NC
KA4AZQ	KNOXVILLE	100.0	TN
KC8SDN	RICHWOOD	123.0	WV
448.1000 / 443.1000			
N4KHQ	DAHLONEGA	100	GA
N4WJS	OWENSBORO	110.9	KY
KE4QOX	SAURATOWN MT	88.5	NC
KF4TNP	BRICK CHURCH	167.9	TN
KA4JXT	MEMPHIS	107.2	TN
KN4YM	POWHATAN		VA
KE4QOX	BECKLY/OAK HILL	107.2	WV
448.1250 / 443.1250			
KG4PUW	STOCKBRIDGE	100.0	GA
KU4ML	FOSTER		KY
KB4PQA	CRAB CREEK TWP		NC
WA4NNA	RALEIGH		NC
KT4OL	CHATTANOOGA		TN
KT4OL	CHATTANOOGA		TN
KC4PRD	GOODLETTSVILLE	107.2	TN
KA4JXT	HICKORY VALLEY	107.2	TN
KA4JXT	MEMPHIS		TN
WB3T	MARION	103.5	VA
448.1500 / 443.1500			
KF4XH	BYRON		GA
W4PME	ROSWELL/BELL	100.0	GA
KD4PBC	MIDDLESBORO	146.2	KY
W4HG	SALISBURY	136.5	NC
KD4PBC	GATLINBURG	146.2	TN
KD4PBC	TRI-CITIES	146.2	TN
K8MHR	ST. ALBANS		WV
448.1750 / 443.1750			
N4GIS	CARTERSVILLE		GA
KC4COV	FLORENCE	131.8	KY
KD4HLH	LAURENS	146.2	SC
KG4GCZ	MT PLEASANT	107.2	TN
WG8S	PATRICK SPRINGS		VA
448.2000 / 443.2000			
K4YC	IVEY	88.5	GA
KD4APP	PINE LOG MT	103.5	GA
KC4FWC	STANFIELD	77.0	NC
KD2LH	YOUNGSVILLE	88.5	NC
W4WC	GREENEVILLE	100.0	TN
W4BS	MEMPHIS	107.2	TN
KB4YKV	AMELIA		VA
448.2250 / 443.2250			
WA4DIW	JONESBORO		GA
KD4TAH	FRANKLIN		KY
KS4TO	WADDY		KY
W8EMX	HUNTERSVILLE	110.9	NC
N4ZCM	RALEIGH		NC
W8LG	BECKLEY/BOLT		WV
448.2500 / 443.2500			
KC4JNN	BISKEY MTN	100.0	GA
KJ4VF	DORTON		KY
N4JEX	CHINA GROVE	136.5	NC
448.2750 / 443.2750			
KC4KLW	ROCKMART	179.9	GA
KF4TLA	ASHEVILLE	103.5	NC
WA4WTX	ROUGEMNT/RED MT	100.0	NC
WA4AWI	LEBANON	107.2	TN
448.3000 / 443.3000			
WW4GA	ATHENS		GA
KB5DZJ	WIGGINS	167.9	MS
KC4KUL	ARCHDALE		NC
KB4TOH	COLUMBIA	131.8	NC
AI4M	FOREST CITY	114.8	NC
KA7UEC	COLLIERVILLE	107.2	TN
WA4KJH	GATLBG/COVE MT	127.3	TN
WS8L	CHARLESTON	123.0	WV
448.3250 / 443.3250			
N4JMD	STOCKBRIDGE		GA
WA4CMO	FRANKFORT		KY
KF4IXK	KERNERSVILLE	131.8	NC
WB3T	DISMAL PEAK	103.5	VA
N4YYD	FT. MT/CHATSWTH	71.9	GA
K4ULW	LOUISVILLE SW		KY
W5CJR	PETAL		MS
N4JEX	KANNAPOLIS	136.5	NC
W4IQQ	GRNVLE/PARIS MT		SC
WA4AWI	DEASON	107.2	TN
K4GX	ROGERSVILLE		TN
N8LHL	ROCKPORT	123.0	WV
KA1OKQ	PETERBORO, NH	110.9	ZZ
448.3750 / 443.3750			
KC4AQS	JASPER	100.0	GA
W1IFL	RALEIGH		NC
KF4ZIG	INDEPENDENCE	103.5	VA
KC8SDN	RICHWOOD	123.0	WV
448.4000 / 443.4000			
WB4GWA	CONCORD	118.8	GA
K4XYZ	BUCKHORN LAKE	103.5	KY
N0SU	BRYSON CITY	151.4	NC
WB4GUG	SAURATOWN MT	107.2	NC
AD4DN	WILMINGTON	88.5	NC
AC4WW	AIKEN	107.2	SC
WA4QWW	MEMPHIS		TN
448.4250 / 443.4250			
KD4CPO	BRUNSWICK		GA
AE4JO	ETOWAH VALLEY	103.5	GA
KB4MDE	JASPER		GA
KD4RTR	MILLARD		KY
WA1YYN	RES. TRIANGLE PK	156.7	NC
448.4500 / 443.4500			
WC4RAV	COBB COUNTY	103.7	GA
KB4VAK	HIGH PT/LOOKT MT	77.0	GA
AE4NU	COX'S CREEK	151.4	KY
KZ4G	FLATWOODS	107.2	KY
KC5LCW	GAUTIER	123.0	MS
N5WXD	WEST POINT		MS
N4VOZ	STATESVILLE		NC
KE4PJW	NASHVILLE	107.2	TN
KC4RBA	LYNCHBURG	186.2	VA
448.4750 / 443.4750			
W4EEE	BOGART		GA
KC4COV	BEAVERLICK	131.8	KY
KE4UIU	CANTON	156.7	NC
W4UNC	CHAPEL HILL	131.8	NC
WZ4SC	FORT MILL		SC
KB8YDD	RICHWOOD		WV
448.5000 / 443.5000			
N4MTA	MARIETTA		GA
WD9EQC	LOUISVILLE		KY
KF4BRO	MAYSVILLE	123.0	KY
WB4UBY	META		KY
W5SAR	WAYNESBORO		MS
AB4JJ	WEST JEFFERSON	107.2	NC
N5CWH	LEESVILLE	162.2	SC
KD4CWB	KNOXVILLE		TN
448.5250 / 443.5250			
N4PQR	KNOXVILLE	114.8	GA
KC4KLW	ROME	179.9	GA
KD4EVB	BURLINGTON	107.2	KY
N4EUX	LENOIR/CAJAH MT		NC
KD4MJO	SOUTH HILL	100.0	VA
448.5500 / 443.5500			
KK4IN	DACULA		GA
KE4WLP	GRIFFIN		GA
N4HZX	GRAEFENBURG		KY
W5SAR	WAYNESBORO		MS
KC4XE	WILKESBORO		NC
WB4LRD	CHATTANOOGA		TN
N3ELM	WILLIAMSBURG	100.0	VA
448.5750 / 443.5750			
KD4NTF	CEDARTOWN	107.2	GA
WA4SSJ	JERSEY	103.5	GA
NU5O	SOUTHAVEN	77.0	MS
WA4PXV	AIR BELLOWS GAP		NC
KA6UHV	COLLEGEDALE	131.8	TN
W4LYR	LEBANON	100.0	TN
KC8AUY	RICHWOOD		WV
448.6000 / 443.6000			
KA5WZY	ATLANTA	146.7	GA
KA4UHL	NANCY	100.0	KY
W5PPB	RAYMOND	77.0	MS
N4DWU	MT MITCHELL	114.8	NC
W4TLB	BIG SANDY	114.8	TN
KC8PFI	CEREDO		WV
448.6250 / 443.6250			
K4MDS	GRAY		GA
KF4OYP	JASPER	100.0	GA
KF4NTQ	GEORGETOWN		KY
AA5RZ	JACKSON, EAST		MS
W4EUS	RES. TRIANGLE PK		NC
KE4EAN	COWPENS	136.5	SC
KA7UEC	COLLIERVILLE	107.2	TN
AD4QG	EVA		TN
KC4MJN	JAMESTOWN	100.0	TN
WZ8E	BLUEFIELD	100.0	WV
448.6500 / 443.6500			
W4CML	ATLANTA	123.7	GA
N4WJS	OWENSBORO	110.9	KY
K4AIH	ANDRWS/ROBINSVL		NC
KD4WAR	BURNSVILLE		NC
KG4BTN	GREENSBORO	88.5	NC
WA4AXH	NOLENSVILLE		TN
KG4NJA	NASA LANGLEY	173.8	VA
448.6750 / 443.6750			
N4GWO	BARNESVILLE		GA
WB4QMJ	CALHOUN		GA
KD4FRP	CROWDER'S MT		NC
AD4LR	PARIS		TN
KD4IBW	SEVIERVILLE	100.0	TN
K4YD	BENT MT	107.2	VA
448.7000 / 443.7000			
W4TIY	DALLAS		GA
KY4KY	BROOKS	151.4	KY
K5PN	HATTIESBURG	136.5	MS
KE4QOX	KVILLE/H POINT	103.5	NC
WA4LBT	LOCUST		NC
N4JEH	NASHVILLE	107.2	NC
K4VVM	BARTLETT	107.2	TN
AG4VW	CENTERVILLE	100.0	TN
KB4OTK	LAFOLLETTE		TN
KB8UJG	PRINCETON	123.0	WV
448.7250 / 443.7250			
KB2DZA	CONYERS	77.0	GA
KE5LT	PICAYUNE	179.9	MS
K4GWH	GRAHAM	156.7	NC
KC4KPJ	CLOVER	127.3	SC
W1ARN	NASHVILLE	107.2	TN
KG4KIJ	SWEETWATER		TN
N8SNY	WELCH		WV
448.7500 / 443.7500			
K4GO	COVINGTON	146.2	GA
KC4ZTI	GASTONIA/CRWDR		NC
WB4EDS	ALAMO		TN
N0LOG	CITY UNKNOWN	88.5	TN
WA4OHX	HAMPTON	100.0	VA
KC3FB	PATRICK SPRINGS	77.0	VA
448.7750 / 443.7750			
N4YF	SUGAR HILL	82.5	GA
KF4INN	VERSAILLES		KY
WB4SRV	CLAREMONT	118.8	NC
KD4JFN	HAW RIVER	107.2	NC
KF4Y	LAURENS	141.3	SC
KA4MHJ	SPENCER	123.0	TN
448.8000 / 443.8000			
N4NFP	ATLANTA/MARIETTA	151.4	GA
K4MSU	MURRAY	110.9	KY
N5IAT	NATCHEZ		MS
KC4QZL	MORGANTON		NC
W4HNK	MT PLEASANT	123.0	SC
KA4AZQ	KNOXVILLE	100.0	TN
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
W4POX	PORTSMOUTH		VA
KA8OTX	OAK HILL		WV
448.8250 / 443.8250			
KD4HPD	STONE MTN	123.0	GA
KD4EVB	FALMOUTH	107.2	KY
K4AVY	PRESTONSBURG	127.3	KY
N5ZNS	GLOSTER		MS
KC4FWC	#ROCKINGHAM	77.0	NC
KC4KRM	SHELBYVILLE		TN
KF4RMT	MARTINSVILLE	107.2	VA
WB4KZI	PETERSBURG		VA
448.8500 / 443.8500			
K4PLM	#WALESKA	192.8	GA
KC4YOZ	DALLAS CHLT	100.0	NC
WA4US	WILMINGTON		NC
N4ULM	FRANKLIN		TN
KE4OVN	LANEVIEW	107.2	TN
KQ4I	DANVILLE		VA
KB8TGK	HUNTINGTON	88.5	WV
448.8750 / 443.8750			
KD4LXT	ATLANTA		GA
KC4KPW	PINEY KNOB	103.5	NC
KD4KPV	MCKENZIE		TN
W4DUM	WILLIS		VA
W8SP	FAIRMONT		WV
448.9000 / 443.9000			
K4RHJ	FLOWERY BRANCH	100.0	GA
KC4KZT	DAVID	167.9	KY
W4UA	HIGH POINT		NC
W4GWD	GREENWOOD	107.2	SC
KD4HII	CHATTANOOGA		TN
W4KOC	WHITE HOUSE	107.2	TN
448.9250 / 443.9250			
KQ4XL	MONROE	123.0	GA
W4BAB	RINGGOLD		GA
N4EQT	LAWRENCEBURG	107.2	KY
KE4KNZ	MCEWEN		TN
K4DHT	MOUNTAIN CITY	103.5	TN
KF4AGO	SOUTH BOSTON		VA
448.9500 / 443.9500			
KA4UFM	DECATUR	110.9	GA
W4LJM	CANE VALLEY		KY
N5ZDF	HAZLEHURST	100.0	MS
KD4OWV	CHARLOTTE		NC
WA1YYN	HILLSBOROUGH	114.8	NC
WA4US	WILMINGTON		NC
KD4OBX	KNOXVILLE		TN
N4ER	MEMPHIS		TN
W4UOT	WINCHESTER	107.2	TN
448.9750 / 443.9750			
KB4NPO	REX		GA
K4TDO	HAZARD	103.5	KY
N4KWT	LOUISVILLE	100.0	KY
WA4WGY	MAYODAN		NC
N4VDE	LIBERTY	103.5	SC
WR3S	LAVERGNE		TN
KA4WJS	ROCKWOOD		TN
N8FIP	WESTON		WV
449.0000 / 444.0000			
WB4QDX	LAWRENCEVILLE	127.3	GA
WD4AFY	#SAVANNAH		GA
AD4RU	IRVINE		KY
KG5YV	CLINTON	100.0	MS
K4JEQ	HICKORY		NC
KI4RK	SELMA		NC
W4ULH	FLORENCE		SC
WD4BKY	GALLATIN		TN
KD4CWB	KNOXVILLE	100.0	TN
W4CAR	CHESAPEAKE	162.2	VA
KC8IT	MULLENS		WV
449.0250 / 444.0250			
W4CML	LAWRENCEVILLE	127.3	GA
AE4PO	WAYCROSS	141.3	GA
KD4JFN	HIGH POINT	107.2	NC
K4CRS?	HARRIMAN		TN
K4RDK	MEMPHIS		TN
WB3T	ABINGDON	103.5	VA
449.0500 / 444.0500			
N4NEQ	ATLANTA/MARIETTA	151.4	GA
KE4NLL	SALYERSVILLE	127.3	KY
KB4PTJ	WILLIAMSBURG	100.0	KY
N4JDW	WILMINGTON	88.5	NC
W1WBT	LAKE WYLIE	136.5	SC
N4PYI	NASHVILLE	107.2	TN
WB3T	FANCY GAP	103.5	VA
KB4OLM	STUARTS DRAFT		VA
449.0750 / 444.0750			
W4FWD	CARROLLTON	131.8	GA
KB8SBN	INDEPENDENCE	110.9	KY
KD4BOH	ROCKPORT	77.0	KY
K4CCR	ANDSN MT/DENVER	88.5	NC
N4JDW	BURGAW	88.5	NC
WA4TCC	SCOTLAND NECK	156.7	NC
KG4JJB	LEWISBURG	107.2	TN
KC4PDQ	MARYVILLE	100.0	TN
KF4ATY	MEMPHIS	107.2	TN
KD4TBC	GRETNA/SMITH MT	123.0	VA
K8OJC	HURRICANE		WV
449.1000 / 444.1000			
WR4CW	ATLANTA/GLENRI	100.0	GA
W4WSM	BOWLING GREEN		KY
N4UL	LOUISVILLE	173.8	KY
KB5BRZ	MERIDIAN	131.8	MS
WR4AGC	DURHAM		NC
KC4AC	LANCASTER		SC
W4AM	CHATTANOOGA		TN
KE4FH	JOHNSON CITY		TN
KA4JXT	MEMPHIS		TN
KE4CKJ	STAUNTON/EL KNOB	131.8	VA
KB4ZIN	WILLIAMSBURG		VA
N8ILO	PARKERSBURG (OH)		WV
449.1250 / 444.1250			
KE4PVE	PENDERGRASS	100.0	GA
KB8QLC	LEXINGTON	88.5	KY
WB4GUG	MCLEANSVILLE		NC
KC4ECD	LAFAYETTE	107.2	TN
KA4JXT	MEMPHIS		TN
N8LVE	BECKLEY		WV
N8RCG	KEYSER	103.5	WV
449.1500 / 444.1500			
W4PME	ATLANTA/BELL	100.0	GA
WB4IVB	MIDDLESBORO	100.0	KY
WD5BJT	CLERMONT HARBR	77.0	MS
WB5YCR	NEW ALBANY		MS
W4ATC	CLAYTON	100.0	NC
AG4EI	GASTONIA/CRWDR		NC
W4GL	SUMTER	123.0	SC
KE4LQY	CHATTANOOGA		TN
AF4TZ	NASHVILLE	107.2	TN
KI4ZR	LEXNGTN/ROCK MT.		VA
KA1OKQ	PEMBROKE, NH		ZZ
449.1750 / 444.1750			
KE4PVE	COVINGTON	100.0	GA
KC4COV	COVINGTON	131.8	KY
W4FBC	LILLINGTON	118.8	NC
W2GLJ	GERMANTOWN		TN
KC4NNN	KNOXVILLE		TN
K4NRW	ROANOKE	103.5	VA
N8FMD	CLARKSBURG	103.5	WV
449.2000 / 444.2000			
WA4DB	#GAINESVILLE	107.2	GA
KR4PF	MARION	100.0	KY
KD4RTR	PIKEVILLE		KY
WB4YNF	AHOSKIE		NC
KE4QEA	#KING/SAURATOWN	100.0	NC
WA4US	WILMINGTON		NC
KF4GHC	COLUMBIA	156.7	SC
KD4HII	CHATTANOOGA		TN
K4MFD	GREENEVILLE	173.8	TN
N4ARK	NASHVILLE		TN
WB4VWR	ENON		VA
N8ZVK	FLATWOODS		WV
449.2250 / 444.2250			
KE4SJO	WOODSTOCK		GA
KF4RBD	RINEYVILLE	151.4	KY
K4GWH	GREENSBORO	146.2	NC
N4ARK	NASHVILLE	114.8	TN
WV8AR	CHARLESTON	123.0	WV
449.2500 / 444.2500			
W4BOC	DECATUR		GA
KF4DC	GLASGOW/CVCTY		KY
WA4KNI	HENDSVL/BERWLW		NC
N4EWS	LOUISBURG	88.5	NC
K4SER	WILLIAMSTON	131.8	NC
WA4PAJ	BARTLETT		TN

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Concludes

WQ4E	GREENBRIER		TN
WA4TFZ	CHARLOTTESVILLE	151.4	VA
WG4R	MEADOWS OF DAN	103.5	VA
N8ZAR	BUCKHANNON		WV
449.2750 / 444.2750			
K4JLG	CORNELIA	100.0	GA
KE4BB	CULLODEN	123.0	GA
KF4IFC	CORBIN	79.7	KY
KU4MJ	DAWSON SPRINGS		KY
NC4BJ	BUIES CREEK	131.8	NC
W4NC	WINSTON-SALEM		NC
W4GZX	CLEVELAND		TN
WA4AXH	LEBANON		TN
W4RDF	ENON	114.8	VA
KC8CSE	DUNMORE	123.0	WV
449.3000 / 444.3000			
KC4GZX	ATHENS/CRAWFORD	127.3	GA
KC4YNY	HOGANSVILLE		GA
KD4RTR	ELKHORN CITY	167.9	KY
KG4JNM	LOUISVILLE	156.7	KY
N4DRL	BYHALIA		MS
KC5RC	HEIDELBERG	100.0	MS
WA4VTX	ELIZABETH CITY	131.8	NC
W4ZO	MONROE	100.0	NC
N4MNH	CHARLESTON		SC
WB4GBI	KNOXVILLE		TN
WA4BZU	NASHVILLE	107.2	TN
K4BW	ACCOMACK	156.7	VA
KI4ZR	LEXINGTON		VA
449.3250 / 444.3250			
KF4BMG	MARIETTA	79.7	GA
KC4FWC	BLADENBORO	77.0	NC
KF4AUF	HOLLY SPRINGS	100.0	NC
W4NYR	SHELBY		NC
WA4BZU	CLARKSVILLE	107.2	TN
KB4KSL	KNOXVILLE		TN
WB3T	ROANOKE	103.5	VA
KA8ZXP	GLENVILLE		WV
449.3500 / 444.3500			
W4CBA	GAINESVILLE	131.8	GA
KE4PVE	NEWNAN	100.0	GA
WR4SG	VALDOSTA	141.3	GA
K4CO	WALTON	123.0	KY
K4KAY	CHARLOTTE	118.8	NC
WB4IKY	GIBSONVILLE	107.2	NC
KR4LO	GRANTSBORO		NC
WD4BKY	GALLATIN	114.8	TN
KD4CLA	PIGEON FORGE	156.7	TN
N4CH	BEDFORD		VA
WB8YST	CHARLESTON	107.2	WV
449.3750 / 444.3750			
KB4IZF	JASPER	103.5	GA
KD4DAR	PIKEVILLE		KY
KB5HAV	PEARL	88.5	MS
N4DTR	FRANKLIN	131.8	NC
KB4WGA	HENDERSON	100.0	NC
KB4YTM	HUNTINGDON		TN
KR4BT	SPARTA	123.0	TN
N4OWU	FANCY GAP	107.2	VA
449.4000 / 444.4000			
WB4ULJ	HAMILTON		GA
WB4HJG	LULA	71.9	GA
KD4YGK	SHEPHERDSVILLE	203.5	KY
KC4COV	WITHAMSVILLE	131.8	KY
WB4YZF	FAYETTEVILLE	100HZ	NC
WA4KOG	MEMPHIS		TN
N4PYI	MT JULIET		TN
K4EAJ	OAK RIDGE	82.5	TN
N8LVE	ALDERSON/SAM BLK	100.0	WV
N8HON	MADISON, VA		ZZ
449.4250 / 444.4250			
K4PE	HELEN	127.3	GA
KD4EVB	DRY RIDGE	118.8	KY
KF4QZN	MORGANTOWN	179.9	KY
N4HAJ	FOUNTAIN	88.5	NC
NC4UC	MONROE	94.8	NC
KC4NNN	KNOXVILLE		TN
WA4ISI	ALTAVISTA	100.0	VA
KB8TJH	SHIRLEY		WV
449.4500 / 444.4500			
W4DOC	ATLANTA	146.2	GA
KO4OT	SIMPSONVILLE	100.0	KY
KD5AHI	ABERDEEN		MS
KB5LCL	JACKSON	141.3	MS
W4CQ	CHARLOTTE		NC
WR4AGC	HILLSBOROUGH	100.0	NC
N4DTR	WAYNESVILLE		NC
WA4US	WILMINGTON		NC
W4CAT	GALLATIN	107.2	TN
WJ9J	SODDY DAISY		TN
W8MOP	BLUEFIELD		VA
449.4750 / 444.4750			
KD4GEY	FOLKSTON		GA
N4CLA	SWEAT MT/MARIETT		GA
KF4QZN	MAMMOTH CAVE	179.9	KY
AD4BI	PIKEVILLE		KY
KG4BTN	GREENSBORO	107.2	NC
N1GMV	ZEBULON	88.5	NC
N4ZKR	SUMMITVILLE	107.2	TN
AD4ZK	NORFOLK	127.3	VA
449.5000 / 444.5000			
W4MM	ALBANY		GA
KD4GPI	ATLANTA	110.9	GA
N4BZJ	DALTON	118.8	GA
KD4GMH	MANCHESTER	103.5	KY
W5LRG	MERIDIAN	107.2	MS
W4PAR	LEXINGTON	107.2	NC
N4JEH	TARBORO	100.0	NC
K4NOC	BISHOPVILLE	123.0	SC
KE4CCB	BLUFF CITY	77.0	TN
K4DAV	COOKEVILLE		TN
N4WAH	MEMPHIS		TN
K4CQ	LYNCHBRG/TOB MT	136.5	VA
449.5250 / 444.5250			
W4GR	SNELLVILLE	82.5	GA
KJ4VF	GRETHEL		KY
N5NNI	NEW HEBRON		MS
W4RNC	RALEIGH	82.5	NC
WA4ZRS	WAXHAW	94.8	NC
N4LV	MYB BCH/BRKSVIL		SC
KD4IBW	KNOXVILLE	100.0	TN
WA4BGK	NASHVILLE	107.2	TN
449.5500 / 444.5500			
WB4JEH	CONYERS	151.4	GA
K4DC	LEWISPORT		KY
KC4DUU	LEXINGTON		KY
K4JDR	BENSON	100.0	NC
N4GAS	GASTONIA/SPCR MT		NC
KA4BQM	ROANOKE RAPIDS	192.8	NC
KG4BZN	WALTERBORO	123.0	SC
NQ4Y	COOKEVILLE	107.2	TN
WF4Q	MCNAIRY	107.2	TN
WA4PCD	NASHVILLE		TN
KB4WTP	COPPER RIDGE	103.5	VA
W4QR	HAMPTON	167.9	VA
K4CQ	WINTERGREEN	136.5	VA
449.5750 / 444.5750			
W4SCR	DOUGLASVILLE	88.5	GA
N4MVY	PHELPS		KY
KC5CLM	PORT GIBSON	141.3	MS
KC4FWC	BOONE/RICH MT	77.0	NC
W4BAD	DURHAM	88.5	NC
N4HAJ	KINSTON	88.5	NC
K2PJ	MYRTLE BEACH	85.4	SC
W4BBB	KNOXVILLE/RACK	100.0	TN
WA4WCK	NASHVILLE		TN
449.6000 / 444.6000			
W4PSZ	FAYETTEVILLE	77.0	GA
WA4NKL	QUITMAN	127.3	GA
KF4WMM	BRUSHY FORK	88.5	KY
N4NMC	LOUISVILLE	151.4	KY
KC4FIE	MADISONVILLE		KY
WA4SJH	SPRINGFIELD		KY
KB5CO	JACKSON	100.0	MS
W4BFB	CHARLOTTE	100.0	NC
KC4WXA	#OXFORD		NC
KT4YW	NO. CHARLESTON		SC
WS4S	COOKEVILLE	107.2	TN
WA4AUX	PROSPECT	118.8	TN
KA8TCF	WESTON		WV
449.6250 / 444.6250			
K4EDN	BONAIRE	82.5	GA
W4CBA	CUMMING	123.0	GA
KC5BMJ	KINGSLAND	118.8	GA
W1BPP	MOULTRIE	123.0	GA
KB4QFL	HAWESVILLE		KY
KE4ISW	RICHMOND	192.8	KY
AB5MU	NETTLETON	192.8	MS
N5OCF	RICHTON		MS
WB4DVN	LUMBERTON		NC
WD4EOG	CLEMSON UNIV.	156.7	SC
WT4E	COLLIERVILLE	107.2	TN
KD4TUD	JEFFERSON CITY		TN
WA4TOA	NASHVILLE	107.2	TN
WZ8E	BLUEFIELD		VA
KF4LWH	SOUTH BOSTON		VA
449.6500 / 444.6500			
K4YC	IVEY		GA
N4IBW	SMYRNA		GA
WB4FUR	STENNIS SPC CEN		MS
N5NBG	WALLS		MS
NE4J	MIDDLESEX	179.9	NC
KJ4HF	SALISBURY	88.5	NC
WA4US	WILMINGTON		NC
N4UHF	LAKE MURRAY		SC
WB4NKM	GREENEVILLE	100.0	TN
W4CAT	SHRT MT/MURFREB	107.2	TN
N4EHJ	RICHMND/CHLTVL		VA
449.6750 / 444.6750			
KC4CBQ	HIAWASSEE	186.2	GA
KN4YZ	TYRONE/PTC	77.0	GA
KC4VYX	ROBINSON CREEK		KY
KF4AWA	SALVISA	203.5	KY
N5PS	GREENVILLE	100.0	MS
W4WBT	CHARLOTTE		NC
KE4JDP	#JACKSONVILLE	88.5	NC
KD4RAA	RALEIGH	100.0	NC
W4GS	MYR BCH/CONWAY	85.4	SC
WA4PCD	NASHVILLE		TN
WD4MIZ	NORFOLK	107.2	VA
AB8WB	GASSAWAY	123.0	WV
449.7000 / 444.7000			
WB4SBT	BYRON	103.5	GA
WD4LUQ	DALLAS	77.0	GA
KF4BJM	VALDOSTA	141.3	GA
WB4JM	BOWLING GREEN	136.5	KY
NC5Y	JACKSON		MS
KD4BGD	LUMBERTON	114.8	NC
N4JEH	ROCKY MOUNT	107.2	NC
AE4GA	STATESVILLE	94.8	NC
AG4UW	CENTERVILLE	107.2	TN
KF4VDX	MARYVILLE	127.3	TN
N4ZKR	PALMER	107.2	TN
K4AU	DANVILE/WHT OAK		VA
N4WWB	GATE CITY		VA
WB8CQV	HERNSHAW	203.5	WV
K8LG	MORGANTOWN		WV
449.7250 / 444.7250			
KS4QM	SUMMERVILLE	123.0	GA
KD4AOZ	WATKINSVILLE	123.0	GA
KY4K	HENDERSON	203.5	KY
KE4ISR	LEXINGTON		KY
W4ZCD	HICKORY FLAT	179.9	MS
KC4FWC	BLADENBORO	77.0	NC
KD4MMP	WINSTON-SALEM	107.2	NC
KC4KPJ	ROCK HILL	127.3	SC
WA4AKM	FRANKLIN	107.2	TN
WB0TMC	JACKSON	107.2	TN
N4CKB	SEVIERVILLE	123.0	TN
KF8FO	LEWISBURG	103.5	WV
449.7500 / 444.7500			
KC4ELV	CONYERS	162.2	GA
N4ZRF	LAKEMONT		GA
KC8ERN	#ASHLAND	88.5	KY
KE4AIF	HOPKINSVILLE	103.5	KY
WB9SHH	MONTICELLO		KY
KD5GVU	STARKVILLE		MS
NC4GC	GASTONIA		NC
KD4JFN	PITTSBORO	146.2	NC
K4TC	HENDERSON		TN
KF4VWJ	HIXSON	100.0	TN
N4PYI	MT JULIET	156.7	TN
WD4KQI	FOREST		VA
449.7750 / 444.7750			
N4NEQ	ATLANTA/MARIETTA	151.4	GA
N4MXC	COCHRAN		GA
N4IWZ	ALLEN	123.0	KY
KC4UPE	NICHOLASVILLE	167.9	KY
K4JDR	CARY	100.0	NC
KR4EX	OLD FORT		NC
WA4AKM	GALLATIN	107.2	TN
KF4UCI	#CHARLOTTEVILLE		VA
WD4KZK	SLINGS GAP	107.2	VA
449.8000 / 444.8000			
WA4ASI	COVINGTON	88.5	GA
W4BEJ	ELIZABETHTOWN		KY
KB5CO	JACKSON		MS
WB4PMQ	GREENVILLE	131.8	NC
KF4LUC	HICKORY	94.8	NC
K4YEC	REIDSVILLE	107.2	NC
KD4QMS	SOUTHERN PINES	118.8	NC
K0JXI	MEMPHIS		TN
KD4LP	#MORRISTOWN		TN
N4PYI	NASHVILLE	110.9	TN
KB4MIC	OILVILLE		VA
WV8B	BECKLEY/OAK HILL	100.0	WV
W8CUL	MORGANTOWN		WV
449.8250 / 444.8250			
W4DOC	ATLANTA	146.2	GA
KC4UPE	BEATTYVILLE	192.8	KY
KC4VXR	SALEM	100.0	KY
KB5DSN	AMORY		MS
KD4RAA	MOREHEAD CITY	100.0	NC
KF4UY	MT AIRY/FSH PK	100.0	NC
K4GWH	RALEIGH	146.2	NC
KE4FGW	MARYVILLE	100.0	TN
K5FE	MEMPHIS	107.2	TN
N4PYI	SMITHVILLE	107.2	TN
WA4ZBP	STAUNTON	131.8	VA
449.8500 / 444.8500			
N4BZJ	DALTON		GA
N4YXL	GREENSBORO	103.5	GA
KG4OGC	HINESVILLE		GA
KF4QZN	HORSECAVE	179.9	KY
AA4NI	NEBO		KY
AB5DU	INDIANOLA	136.5	MS
KC5LXF	PINOLA		MS
W4CQ	CHARLOTTE		NC
WN4Z	ROCKY MOUNT	131.8	NC
K4GMP	WILMINGTON	88.5	NC
WB4NNX	HOHENWALD	100.0	TN
WD4MWQ	MCMINNVILLE		TN
K7AG	MEMPHIS	107.2	TN
KF4VDF	POUND	103.5	VA
AB4SF	RICHMOND		VA
WD4KZK	ROANOKE/READ MT	107.2	VA
WB8ZER	HUNTINGTON/CHAS	131.8	WV
449.8750 / 444.8750			
KE4UAS	MCDONOUGH	82.5	GA
KE4RJI	TIFTON		GA
KC4UPE	SALVISA	167.9	KY
N5HTQ	MCCOMB	100.0	MS
KD4RAA	RALEIGH	100.0	NC
WB4U	WINGATE	127.3	NC
KD4UWA	CHAT/MNTLAKE MT	156.7	TN
WA4AKM	NASHVILLE	107.2	TN
KB4WTP	BIG A MTN		VA
K4VP	WEST MOBILE, AL		ZZ
449.9000 / 444.9000			
KD4BOO	AUGUSTA		GA
N4KHQ	DAHLONEGA		GA
WB4IVB	CORBIN	100.0	KY
W4YWH	HIGHLAND HEIGHTS	123.0	KY
KY4SP	HUDSON	179.9	KY
W4EWN	NEW BERN	100.0	NC
W4EJ	WILSON	179.9	NC
WB4MMI	RAMER		TN
W4LYR	WATERTOWN	100.0	TN
WA4CQK	FANCY GAP	100.0	VA
N8SCS	BELINGTON	141.3	WV
KE4QOX	LOGAN	107.2	WV
449.9250 / 444.9250			
WA4NNO	ATLANTA		GA
WB4NFG	IRWINTON	77.0	GA
N4PJR	JESUP	141.3	GA
KY4X	GLASGOW		KY
KO4LI	OLIVE HILL		KY
N5PYQ	SOUTHAVEN	107.2	MS
WB5TTE	VICKSBURG		MS
KB4WGA	#DURHAM	100.0	NC
K4OBX	HATTERAS ISLAND	131.8	NC
N4XRY	MOUNT AIRY		NC
N4NTO	TARBORO	118.8	NC
AC4RZ	EASLEY/SAS MTN	103.5	SC
KI4CB	GEORGETOWN		SC
WA4AKM	COLUMBIA	107.2	TN
N4VIH	DOVER		TN
KD4TZD	KNOXVILLE		TN
KD4FWS	FANCY GAP	100.0	VA
WB8BON	ROANOKE/TINKER M		VA
449.9500 / 444.9500			
W4TL	CLERMONT	131.8	GA
WR4MG	PERRY		GA
N4DUE	LEXINGTON		KY
WB5YGI	PHILADELPHIA		MS
N5VGK	TUPELO	192.8	MS
WA1WXL	CHARLOTTE	136.5	NC
KF4DWV	GREENSBORO	100.0	NC
KF4HFQ	ROLESVILLE	88.5	NC
KD4PBC	CHARLESTON	103.5	SC
KF4GP	CLARKSVILLE	167.9	TN
W4EYJ	CROSSVILLE	118.8	TN
K4GX	GREENEVILLE		TN
WB4NNE	MEMPHIS		TN
WA4KXV	VIRGINIA BEACH		VA
WB8CQV	SO. CHARLESTON	203.5	WV
449.9750 / 444.9750			
WA4YNZ	ATLANTA		GA
K4TVE	BRUNSWICK		GA
W3LAP	COCHRAN	77.0	GA
WA4YNZ	#CUMMING		GA
KC4QK	ASHLAND	107.2	KY
WB4CWF	NICHOLASVILLE		KY
N5PS	O'REILLY	100.0	MS
KE4QAP	ASHEBORO		NC
N4JEH	CASTALIA	107.2	NC
W4YMI	NEWPORT CCARS		NC
KC4ZTJ	POLKVILLE		NC
WM3O	ORANGEBURG		SC
KQ4E	MORRISTOWN		TN
WA4AKM	NASHVILLE	107.2	TN
N4AZJ	PEARISBURG	103.5	VA
N8EKT	WHEELING		WV
443.7750 / 448.7750			
W4RKC	WINCHESTER	146.2	VA
KA1OKQ	CONCORD, NH	82.5	ZZ
439.2500 / 911.2500			
KA5NOJ	GAUTIER		MS
426.2500 / 923.2500			
K4CQ	LYNCHBURG		VA
439.2500 / 923.2500			
KY4ATV	#LEXINGTON		KY

920 MHZ

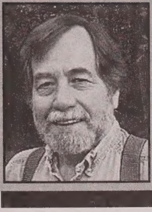
907.5000 / 919.5000			
WD4KZK	ROANOKE/POOR MT	107.2	VA
908.5000 / 920.5000			
KF4TNP	LEWISBURG		TN
908.8000 / 920.8000			
KQ4E	MORRISTOWN		TN
909.0000 / 921.0000			
K4CQ	LYNCHBRG/TOB MT	100.0	VA
909.1000 / 921.1000			
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
910.2500 / 923.0000			
WA4VHP	#SAVANNAH		GA
K4ZGA	NASHVILLE		TN
902.4875 / 927.4875			
KB0Y	VALDOSTA	141.3	GA
902.5000 / 927.5000			
KG4LMT	ATLANTA	223.0	GA
902.5500 / 927.5500			
WA4TOG	BEAR WALLOW	131.8	NC
902.6125 / 927.6125			
KB4WGA	DURHAM	100.0	NC
902.6625 / 927.6625			
N2QJI	CONCORD	141.3	NC
W4FAL	RALEIGH	156.7	NC
N4DTR	WAYNESVILLE	131.8	NC
902.6875 / 927.6875			
N8EKA	LAWRENCEVILLE	141.3	GA
902.7250 / 927.7250			
KA4KMG	LEXINGTON	DCS75	KY

1270 MHZ

1265.0000 / 421.2500			
N4BZJ	DALTON ATV		GA
1253.0000 / 427.2500			
N4NEQ	ATLANTA/MARIETTA		GA
1277.2500 / 439.2500			
KD4EEW	NASHVILLE		TN
1260.0000 /1240.0000			
W3PS	CHESTER, PA		ZZ
1277.2500 /1253.2500			
W4PPN	#CHARLOTTE		NC
1270.5250 /1282.5250			
N2QJI	CONCORD	141.3	NC
1271.1000 /1283.1000			
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
1272.4000 /1284.4000			
WA4AKM	NASHVILLE		TN
1273.3000 /1285.3000			
KF4TNP	LEWISBURG		TN
1274.0000 /1286.0000			
K1YJ	NASHVILLE	88.5	TN
WA4AKM	SMITHVILLE		TN
1271.0200 /1291.0200			
N4CH	ROANOKE/POOR MT		VA
1271.4100 /1291.4100			
AD4DN	WILMINGTON	88.5	NC
1272.0000 /1292.0000			
KB4KIN	ATLANTA/BELL		GA
N4HKS	MEMPHIS		TN
1272.8200 /1292.8200			
AG4EI	GASTONIA/CRWDR		NC

2.4GHz

2441.6000 /2411.6000			
WA1ZMS	BEDFRD/APL ORCH		VA



GEORGIA

REPORTED BY
VESTER SCOTT N8EKA
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(770) 339-6986
N8EKA@SERA.ORG

I haven't yet asked Gary KN4AQ, our gifted, dedicated, and hard working editor, how much page space I may (or should) use here. Therefore, I'm counting on him to let me know—and also to tell me if I'm coloring too far outside the lines.

I'd like to start off by ensuring that I fully understand and meet the expectations of the *Journal's* readers. I sincerely hope that an overwhelming bunch of you will make your opinions about this column known to me. Please tell me, up front and on an ongoing basis, what you *do* or *don't* want to see here.

Those who respond will be the ones who define the format and content for the future, so by all means send me email or snail mail messages, call me on the phone, stop by the SERA table at any Georgia hamfest, or slip a note under my wiper blade in the Home Depot parking lot.

Here are some of the Georgia-related possibilities that you may want to "yeah" or "nay". Feel free to add any others that I may have overlooked.

- Local and/or national news affecting Georgia repeaters
- New repeaters that have just been coordinated
- Repeater changes/updates/ re-coordination
- Radio/repeater club news/ meeting notices, etc.
- Volunteer/public service activities (ARES/RACES/ Disaster Relief, etc.) where repeaters are involved
- Upcoming hamfest schedules and/or post-hamfest reports
- GA SERA staff member news
- Field Day schedules/results
- Repeater net schedules/results
- Something different in each issue
- Use my own judgment (okay, *that's* scary)
- Whatever

One of the things I don't want this column to do is significantly conflict (or be redundant) with any of the other information presented in the *Journal* by the editors, authors, or other correspondents. For example, every issue of the Journal already includes a hamfest schedule in another section, so maybe you'd rather hear only about how each Georgia hamfest actually went. Or, maybe you would prefer not to see hamfest info here at all. The same goes with club and club meeting news.

These are merely examples, and are not intended to influence you one way or the other. Don't worry—there will always be plenty of Georgia repeater stuff to write about, if nothing else.

So, here we go...

Georgia Repeater Motion...

The following are some highlights dredged from the Repeater Index in February issue of the Journal. Let me know if I've missed (or misstated) anything.

Re-coordination: The W4AQL Atlanta repeater (145.15/167.9) has been re-coordinated as the W4AQL GA Tech repeater, with no other changes.

Uncoordinated repeaters: A total of 25 Georgia repeaters were listed as uncoordinated when the Feb/Mar/Apr issue of the *Journal* was published. The trustees of eight of these repeaters are full members of SERA, however (go figure!). This leads me to believe that there must be some misunderstandings and misconceptions involved here. But - bottom line - we'd all sure like to see every repeater in Georgia coordinated. How can we all work together to make this happen?

Proposed New Repeaters: Thirty-two requests for new repeater coordination have already been approved by the Georgia SERA coordinators. This simply means that the repeater owners/trustees are now working within the six-month period allocated to get their repeaters up and running.

Some repeaters become operational in only a day or so after coordination is initialized, because they employ plug-and-play components, encounter few major obstacles, and (perhaps) plan better than the rest of us.

Other computer builders/installers (including repeater newbies, as I was with my 927.6875 repeater) face more complex challenges for whatever reason, and may actually need to apply for an extension at the end of the initial period.

In any case, there's a box nearby with a list of currently proposed new Georgia repeaters for which coordination has been initialized.

Proposed GA Repeaters

Freq	Callsign	Location
53.010-	W3LAP	Cochran
145.150-	K4TWG	Baconton
147.090+	KE4RWR	Bainbridge
147.225+	KG4ABK	Doerun
146.745-	AF4VH	Springfield
147.330+	N4MTN	Toccoa
224.100-	K4SWS	Eatonton
224.820-	WR4MG	Hawkinsville
224.220-	KB0Y	Ray City
224.660-	NP2Y	Young Harris
444.100+	WR4CW	Atlanta/Glenridge
443.650+	W4CML	Atlanta
443.075+	WA4EOC	Canton
444.775+	N4MXC	Cochran
441.975+	WB4ULK	Columbus
442.425+	K4SWS	Eatonton
442.775+	K4VJM	Flowery Branch
444.850+	N4YXL	Greensboro
444.850+	KG4OGC	Hinesville
444.300+	KC4YNY	Hogansville
443.525+	N4PQR	Knoxville
442.000+	AF4UL	Macon
442.700+	W4MAZ	Macon
442.475+	W1MED	Marlow
444.350+	KE4PVE	Newnan
443.975+	KB4NPO	Rex
442.300+	KW4KW	Ringold
441.850+	K4WOC	Sugar Valley
927.6875-	N8EKA	Lawrenceville
927.4875-	KB0Y	Valdosta

...and Emotion

Below are some stats regarding the above list:

- Six of the trustees are already current SERA full members. Cool!
- 21 are BRAND NEW Georgia repeater trustees (read as very-near-future FULL members?)
- Only eight of the repeaters above were newly proposed within the Feb/Mar/Apr Journal period, surely meaning that the remaining 24 are operational by now if an extension has not been requested.
- Over 62% of the new repeaters will be on 70cm.
- 6% are in the fertile 900 band.

Hams and Repeaters at Camilla

In January and February I attended the excellent **Georgia Southern Baptist Convention Disaster Relief Phase I/II** training at Carrolton and Forsyth (Camp Kaleo), respectively, where my communications training was provided via the W4CBA mobile repeater in the well-equipped GA 14C (communication) group's trailer.

This turned out to be none too

Jim Miller Park
Cobb County, Georgia

Gates Open: 8:30AM - 3:30PM

Admission: $5 (Under 18 Free)

Talk-in: 146.820(-) PL 146.2

GPS: Lat 33d 53' 59"N
Lon 84d 35' 29"W

75TH ANNUAL

ARRL GEORGIA STATE CONVENTION

ATLANTA HAMFEST

Sponsored by: The Atlanta Radio Club, W4DOC, & The American Radio Relay League

SATURDAY JUNE 7, 2003

DEALERS

FLEA MARKET ◆ PRIZES

TAILGATING ◆ EXAMS ◆ FOOD

FORUMS ◆ EXHIBITS ◆ R/V & CAMPING

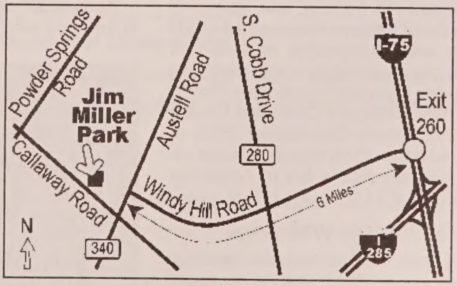
ATLANTA HAMFEST CELEBRATES 75TH YEAR!

The Atlanta Radio Club welcomes you to the 75th Atlanta Hamfest.

Originally known as the "Atlanta Wireless Club," the Atlanta Radio Club is one of the oldest and largest amateur radio clubs in the United States. With over 100 members, the Club sponsors numerous activities and services for its membership and for the Atlanta area Amateur Radio community. The Atlanta Hamfest is one of the longest running events in the country. Last years event was attended by folks from across the country and as far away as Russia. The large outdoor tailgating area was again a big hit. Mark your calendars and make plans to be in Atlanta for a great hamfest!

W4DOC SCHOLARSHIP...

In the spirit of Amateur Radio the Atlanta Radio Club is excited to offer a scholarship to a deserving Ham, in the GA Section and adjacent states, seeking a degree of higher education.
For more information visit our website or write:
Scholarship Committee, Atlanta Radio Club,
P.O. Box 702398 Atlanta GA 30358



For more information...

WWW.ATLANTAHAMFEST.COM

John Talipsky, KA4VQH (770) 995-6446 or Email: johnka4vqh@aol.com
385 Madison Chase Drive Lawrenceville, GA 30045

soon for some of us, because we barely had time to unpack from Camp Kaleo before we were asked to *walk the talk* in Camilla. Repeater communications at Camilla was provided by the repeater in the GA 5C group's trailer, which also sported a full HF communications installation with a Spyder multiband dipole array.

I quickly explained when I arrived in Camilla that I had been assigned to "communications," so they handed me some plastic sheets, a hammer, and some roofing nails and said, "Okay, get up on that roof over there and tap out Morse code until your battery goes dead."

A Rough Idea of Camilla

Hams and non-hams from the Georgia Baptist Convention Disaster Relief teams, ARES, the Red Cross, Salvation Army, and many other groups worked shoulder to shoulder with the local authorities and many others to make the site of the Camilla 2003 killer tornado a little more bearable for those adversely affected. It was a sad situation, and without repeaters we hams could not have helped out nearly as much as we did.

Georgia ARES

I keep running into this one guy all over Georgia - at ARES and radio club meetings, SKYWARN training, and again last week in Camilla. **Steve Hammond K4SAH** is a guy who takes mobile repeater and simplex communication very seriously, using every band and mode from 75M to 33cm. He's Georgia's Cherokee County ARES Emergency Coordinator (EC), of course, so none of this should surprise us. Would you say he's a fan of converted Motorolas?

SERA's Georgia Web page

If you are a Georgia repeater owner or user then you definitely need to check out **www.sera.org/ga**. It will either provide, or point you to, everything you need to know about repeaters (including how to get your new repeater coordinated) in our state.

SERA's Georgia Internet List Server

The same web page mentioned above also shows how to take advantage of the Georgia internet list server (i.e., reflector, or re-mailer). This list server is intended as an alternate communication tool for owners/trustees of coordinated Georgia ham repeaters and auxiliary stations who are also SERA full members.

Last, But Not Least

I'd like to close this issue by acknowledging the SERA team members who represent Georgia. You can find more info about them, including pictures of their smiling faces, at **www.sera.org/ga**.

Jeff W4KMB - SERA's new Georgia Director) travels many miles from Flintstone in order to be present in the SERA booth at nearly every Georgia hamfest. He's also an expert repeater coordinator. Finally, he's the one who developed and maintains 1) the excellent SERA2000 repeater database software that is used by most of the coordinators in the seven SERA states, and 2) the SERA internet list server serving the State of Georgia.

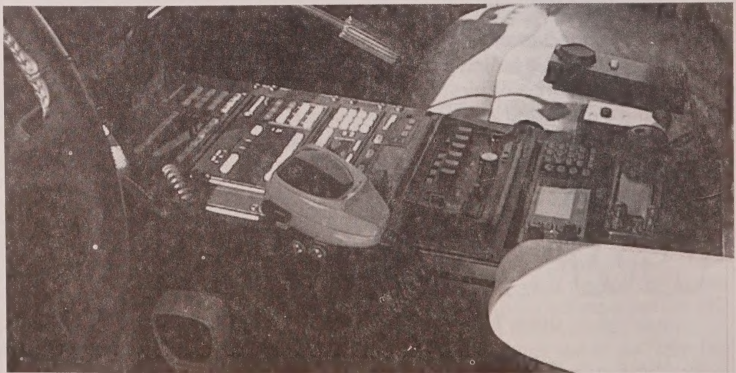
Terry W4TL will be a tough act for me to follow as your new Georgia correspondent. For one thing, he already knows all the players (and the playing field) a lot better than I. He's an experienced repeater trustee and a very dedicated and efficient SERA coordinator. Located in Flowery Branch, he's the trustee for the Clermont (444.95+) and Gainesville (224.84- and 146.67-) repeaters in his neck of the woods, and for the 444.625+ W4CBA repeater of the Georgia Southern Baptist Disaster Recovery 14C communications unit (for which he's also the unit director, BTW).

SERA Assistant Director **Scott KB0Y** lives in the bottom half of Georgia. With two repeaters of his own already up (29.680- in Valdosta, and 53.890- in Lake Park), and two more that have recently received coordination approval (224.220- in Ray City, and 927.4875- in Valdosta) he's definitely a Georgia SERA asset who brings a lot of repeater knowledge to the table. So what's next, Scott—2M, 440, or 1270?

We are indeed lucky that SERA Vice President **Rick W4LOC** from Chickamauga has agreed to also stay on as a Georgia Assistant Director and Frequency Coordinator. There can be no substitute for the repeater knowledge and experience that he brings to SERA in Georgia. As most of you know, Rick recently passed his seat as Georgia Director on to Jeff in order to devote more time to his business occupation and other interests on the home front. Rick is trustee for the W4GTA 145.35- repeater on Lookout Mountain, and also maintains six additional repeaters (one 2m, three 220, and two 440) in his area.

I'm the new kid on the block at SERA, with my very first repeater *finally* up in Lawrenceville, on 927.6875-. I'll also have an open portable repeater up full time at the Dayton Hamfest, on 927.6875 out/ 902.6875 in, with a 141.3 PL, so give me a shout up there.

My prime interest in writing this column is to serve the repeater trustees, owners, and users of Georgia by keeping them well informed. While I'd like to keep the main focus on repeaters, of course, who's to say where that gray line is to be drawn? All y'all, that's who! ■



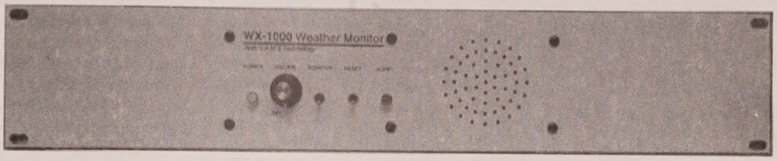
*The Steve Stack - K4SAH's impressive mobile console is not quite **all** Motorola.*

Computer Automation Technology Inc.
WX-1000 Digital Weather Receiver

The NOAA Weather Radio Network broadcasts National Weather Service warnings, watches, forecasts and other hazard information 24 hours a day. With so many unsettling weather conditions, don't you think its time to provide timely weather alerts for your repeater group?

Specific Area Message Decoder

A digital decoder responds to Specific Area Message Encoded (SAME) alerts transmitted by the NOAA weather station located in your area. Select your county code and the type of alert. Select warnings and or watches.



Voice Synthesizer Alert Message

Imbedded in the alert information packet is the time the warning or watch is in effect. The voice synthesizer will periodically key-up the repeater transmitter and announce the nature of the alert. "Severe Thunderstorm Watch" "Tornado Warning" "Winter Storm Warning" "Flash Flood Watch" "Hazard Material Warning" "Avalanche Watch" "Law Enforcement Warning" and "Civil Danger Watch" are just a few of the voice synthesizer announcements.

Alert Message Transmit Timing

At the conclusion of an alert, a termination packet turns the transmitter off.

Repeater Interface

The WX-1000 has been designed to easily interface to your repeater. A minimum of four connections is all that is required.

Weather Enable Input

Ground this input to provide weather reports on demand.

Weather Alert Log

The WX-1000 stores the date, time and type of alert in memory. Use the RS-232 port and the configuration program to down load the log.

Alert Start Logic Output

This output provides a TTL logic high when a weather alert is received. It can be used to set off an external alarm or trigger the controller to execute a macro or load a memory save.

Alert Stop Logic Output

Included in the digital packet is the length of the alert. The WX-1000 generates a stop logic output when the time period has expired. Use this output to reload a normal memory save.

Weather Disable Input

Ground this input to prevent future alerts once a sky warn net is activated.

Weather Data Output

The WX-1000 provides a raw data output to an alphanumeric pager or a computer based alarm system.

Ordering Information

WX-1000 *Digital Weather Receiver, With Windows Configuration Program:* ***$399.00.***

Computer Automation Technology Inc.
4631 N.W. 31st Avenue, Suite 142, Fort Lauderdale, Florida 33309
Phone: (954) 978-6171 - Fax: (561) 488-2894
Internet: http://www.catauto.com

KENTUCKY

REPORTED BY
FRANK BELCHER KS4XL
PO BOX: 1442
ELKHORN CITY, KY 41522
KS4XL@SERA.ORG

The **Northern Kentucky Amateur Radio Club** will be hosting….

HAM-O-RAMA 2003.

Saturday June 7th, 2003. 7am-2pm, at the Summit View Middle School in Independence, Kentucky.

VEC Exams 8:30
ARRL Forum 10:00
Fox Hunt 11:00
TALK-IN: 147.255+

Food and drinks available. Admission $5 per person. Under 13 admitted free. Inside vendor tables: $15 each. Tables include 1 admission. Outside flea market: $2 per space. Admission required for flea market.

If you're into APRS the **Kentucky Automatic Position Reporting Society**'s Website URL is: **http://kaprs.tripod.com**

The **WildernessTrail Emergency Preparedness Net** (Berea, KY) will resume Wednesday March 26th at 8:30pm. Freq. 146.715 - PL 100Hz. This repeater has been off the air for 4-6 weeks and is back on.

The **Kentucky Mountain Amateur Radio Club** holds their net every Sunday at 9 PM local time on the 146.670 in Hazard, Kentucky. All HAMS are invited.

NEW Kentucky Club.

The **Southeastern Kentucky DX Association** is dedicated to DX enthusiasts. They are looking for members to help this club to organize. They need 25 members, 60% of which must be ARRL members, to Achieve official DXCC status. . If you hold DXCC and would like to join S.E.K.D.X.A. contact KN4M at **kn4m@tds.net.**

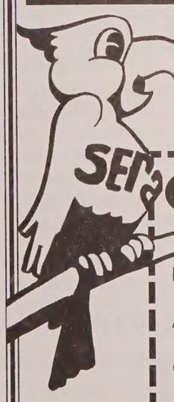
That's it for Kentucky. Please remind your club newsletter editor, webmaster or mailing list sysop to put me on their distribution list! ■

Central KY

Precipitation began falling the morning of February 15 in Lexington, KY. By the time it stopped, 2.88 inches of liquid, and 2 inches of freezing rain coated the city.

Early the next morning, a crisis began to develop. Trees, power and phone lines began falling due to the weight of the ice. Over the next few days, sixty-two of the sixty-four of the city's electrical circuits failed. At 09:30 on February 16, the Emergency Operations Center (EOC) activated. The pagers worn by Fayette County Amateur Radio Emergency Service members who serve as Communications Annex Coordinators alerted them to respond. This was the start of a 194.25 hour operation that ended eight days later.

An amateur radio network was established between the EOC, Kentucky Utilities (KU), Red Cross, the Department of Streets and Roads, and three shelters. In the first few days, amateur radio served as the primary pathway between these locations. As the operation continued and phone service began to be restored, the network concentrated on the EOC, KU and the shelters.



What is Interference-Free Local Repeater Operation Worth to you?
Supporting SERA, your local Amateur Repeater Coordinator, makes it possible.

JOIN SERA AND GET THE REPEATER JOURNAL!

SERA Repeater Journal
The Official Voice of SERA, Inc.

$8/year - SAVE $4 OFF THE COVER PRICE
Fill out the application below, mail with your check to:
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RJ

I Want to Support SERA and get the Repeater Journal!

Make check payable to: SERA Membership *(Please Print Carefully - we gotta read this, y'know)*

Name________________ Call________
Address________________ Date________
City________________ State______Zip______
Phone [______] ______ ________ ARRL Member? { }YES { }NO { }LIFE
E-Mail Address________________
(SERA does not sell or give away our members' street or e-mail addresses)
$______ Payment for ____Year(s) Membership.
$8/year 2 year maximum

New Member ☐
Renewal ☐

Deadlines to receive the next issue:
FEB: Jan 15
MAY: April 15
AUG: July 15
NOV: Oct. 15

Hams Respond to Lexington Ice Storm

©2003 Pat Spencer KD4PWL
ARRL KY Assistant Section Manager
Fayette County ARES Co-Coordinator

Throughout the operation, amateur radio remained the primary pathway between the EOC and KU as other means of communications kept failing.

The traffic between the EOC and KU included emergency reports from the fire and police departments, reports of downed lines, trees on lines, and notifications of generators that could harm the line technicians.

The EOC contains a call-taking center to receive reports from the public for routing to the proper agency. As the disaster developed, thousands of calls were received, many of which were handed off to amateur radio operators to relay.

Patricia Dugger, Director of the Division of Environmental and Emergency Management (DEEM), commented on the role of amateur radio, "The usefulness and professionalism of the amateur radio operators for the ice storm disaster was invaluable. Their presence in the EOC and at the utility company provided the direct line of communication that was severed at various times during the event using traditional means of communication."

Communications with the shelters consisted of logistical traffic, and notification of medical emergencies. Several EMS runs to shelters resulted from amateur radio traffic. Amateurs at the shelters also assisted the staffs with other duties when the radios were quiet.

Nets or other operations took place on four of the city's repeaters; 146.760 (K4KJQ), 147.165 (WA4HBM), 444.550 (KC4DUU), and the 444.125 (KB8QLC).

Because of the magnitude of the disaster, most of the local ham radio operators were unavailable to help. In addition to the effects on their families, hams also suffered the loss of long wire, vertical and beam antennas and feed line. The KC4DUU 444.550+ repeater and LEX/TCP packet node were knocked off the air when its tower collapsed. Because so many hams were affected, it made for long hours for those who could help. A 60-90 hour week was common amongst the crew. Several out-of-town operators with ties to Lexington came from as far as 60 miles away to help give locals a rest.

One operator, Harry Sparks KN4S was injured during the operation when he slipped on ice and struck his head on concrete steps. Despite a concussion, and a few stitches, Sparks returned to the operation a few days later and worked for 35 hours on different shifts.

Ron Ritchie N4MOM, Fayette County ARES Emergency Coordinator, evaluated the operation with the cardinal rule of the organization, "Home and family first" in mind. "What can you say to people that are in the cold and still give their time to help others? Everyone was without heat and electric, many for over a week felt the impact of the ice storm and kept coming for 10-24 hour shifts. Everyone was at their best; real professionals. We have trained to do everything that we could and it paid off this past week. I feel we have the best people that ham radio has to offer."

The relationship between Fayette County ARES and DEEM has been cultivated over the past two years by Assistant Emergency Coordinator and Local Government Liaison Ron Nutter KA4KYI. Nutter had the following comments, "What happened to Fayette County ARES during this disaster is something that we have been training for, but prayed would never happen. This is where all the public service events and disaster drills with the city paid off. Up until now, we had participated in a couple of drills and our limited response to the events of 9/11. We were the first to respond to the EOC, followed by the mayor, and maintained a presence in the EOC and other locations 24/7 for the duration of the emergency. This had to be a team effort for things to have been successful as they came out to be!"

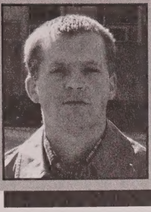
In the end, amateur radio operators put in 6798.75 person-hours, and passed 4369 messages from the EOC to the different locations. In its report, it was stated that Fayette County ARES performed $102,315 of public service. The group definitely doesn't take the "amateur" in amateur radio seriously. A more complete wrap-up can be found at **www.qsl.net/fcares/ice.html.**

Richard Mullikin KG4NNJ of Georgetown working on the paperwork at the Kentucky Utilities Operations Center in Lexington.

photos by Brandon Nuttall KG4RRI

Charles Starnes KG4TMZ of Berea came 50 miles to help when the other operators needed sleep.

Operators involved in the operation were: AD4YJ, AG4CM, AG4LB, AG4TY, K4RBH, KA4KYI, KA4MKG, KA6KJP, KB8QLC, KD4PWL, KD4SN, KE4FFQ, KE4LGL, KE4MAI, KF4EXW, KF4MPM, KF4URQ, KF4WBS, KF4WMT, KG4IOR, KG4LXR, KG4NNJ, KG4OQH, KG4QFW, KG4QFY, KG4RRI, KG4TVX, KN4S, KQ4ZZ, N0MH, N4DIT, N4KU, N4MOM, WA4UIV, WA4WWH, and WD4EJA. Operators from five Central Kentucky counties are represented in this list. ■



MISSISSIPPI

REPORTED BY
CHARLES DIAMOND
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KG4CKW@SERA.ORG

Hello from Mississippi

First, I would like to tell a little about myself. My name is Charles Diamond. I'm from Talowah, Mississippi, around 18 miles south of Hattiesburg. I grew up in this area and moved off to Chattanooga TN. I became a ham 4 years ago. I have always been interested in electronics and gadgets, sometimes driving my wife crazy. I operate PA equipment and have also worked in broadcasting. I became more active the last few years thanks to my good friend **Chris Palmgren W4ORS**. You could say he has been my - between climbing towers and late nights of rag chewing Chris has taught me a lot. If you go through the Chattanooga area give Chris a shout on the 442.925 machine located on White Oak Mountain.

I am a member of the **Hattiesburg Amateur Radio Club, The Lamar County Amateur Radio Club and the Ocoee Amateur Radio Society of Cleveland Tennessee.**

After moving back to Mississippi, I decided to get involved in several areas, and this opportunity came up. My interests lie in many aspects of ham radio. I enjoy talking on repeaters: vhf, uhf, and 220. I plan to get a 6-meter rig set up soon so I can play on sideband. I also enjoy helping out in public service through **Skywarn.** I am working on getting a Skywarn group started here in South Mississippi.

I would like all clubs in the state to feel free to send me any and all information they would like to see in the Mississippi section of the *Repeater Journal*. Any public service special events that you do as clubs or individuals I will be happy to include in the column. My email address is listed above and if you don't have a computer feel free to mail me copies of your newsletters, or call me by phone.

So now let's get to the News.

The **Jackson ARC** held their annual Capital City Hamfest January 31st and February 1st. A good time was enjoyed by all who attended, even though our spirits where somewhat dampened by the Columbia Shuttle tragedy. I would like to thank the Jackson ARC for donating space to us for SERA and the *Journal*. Many old friends met at the Hamfest along with many new friends that were made.

Skywarn classes were taught all over the state. **Mr. Jim Butch** from the **National Weather Service** came down and did several classes throughout the state. **The Laurel Club W5LAR** had 60 plus participants at their spotter's class. Jim Butch also taught a class in Lamar County. 55 plus attended this class.

Please try and attend a class near your area. The training is invaluable and you never can tell when you'll be needed to provide reports to your National Weather Service.

SERA
THE REPEATER JOURNAL

Your SERA Officers from Mississippi. From left to right: Audbrey Bilbo, Charles Diamond, and Steve Grantham.

The **Tupelo Amateur Radio Club** will hold their **Papa Jack's Trade day** April 12th. This event will be in honor of Jack Ellis, KI5QV, the founder of this event. This event will be at the TARC clubhouse at the airport in Tupelo. There will be food and fun also a Kenwood 2 meter transceiver will be given away. For information about this event contact **Ike Roebuck, W5YOK**, his email address is W5YOK2000@yahoo.com.

2003 Breland Award Goes to Leo Stevens IV KD5HIH

This is from the Jackson Amateur Radio club website: The third annual Breland Award was announced at the Jackson Hamfest on Saturday, February 1st, 2003. The winner was **Leo Stevens IV KD5HIH.**

Leo is a graduate of Murrah High School in Jackson. As a Boy Scout, he earned the Radio Merit Badge. Soon afterwards (May 1999) he earned his Technician license. He upgraded soon to Technician Plus and in 2000 to General Class. When at home in Jackson, he operates an Icom IC-706 through an 80-meter dipole and a two-meter ground plane antenna.

He is currently a student at Yale University in New Haven, Connecticut, where he is president of the Yale Amateur Radio Club (W1YU). He is a member of the Jackson Amateur Radio Club and the American Radio Relay League. He features amateur radio as one of his hobbies on his personal website.

Leo has participated in numerous JARC public service projects and was an active member of the club until he left for college. He maintains contact with the club through the newsletter and via email.

For his accomplishments and enthusiasm, Leo was judged the most deserving nominee for this award. The cash award of $500 has been sent to Leo.

Upon being notified of the award, Leo wrote, "What a pleasant surprise! I am really honored that the JARC has chosen to honor me with the Ward Breland Award. Of course, I probably would never have been a ham if it were not for... the support of the wonderful members of our club. Fond thoughts of the Saturday morning code classes with Brownie and wonderful times in the W5PFC shack before our meetings will always be with me."

About the Award: Ward Breland KA5MVB, son of Dr. and Mrs. A. E. Breland, was twenty years of age when he died of overwhelming infection following his second kidney transplant in 1983. He was a student at Millsaps College at the time of his death. He has been described as having a wonderful and original intelligence, which truly enlightened the lives of those around him. He bore his chronic illness with wry good humor. Family friend Bob Currier WB5D encouraged the Jackson Amateur Radio Club to establish The Breland Fund in honor of Ward. Over the years, the Fund has grown through individual donations, club donations, and proceeds of used equipment auctions, etc., to a corpus that can sustain an ongoing award to young hams for achievement in amateur radio.

That is about it. Please, all you folks in Mississippi keep me informed of things going on in your area. ■

NORTH CAROLINA

REPORTED BY
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WA4KE@SERA.ORG

*At the Elkin Hamfest, NC Frequency Coordinator Frank Lynch W4FAL (right) gave **Repeater Journal** columnist Randy McKenzie ("Get the Hammer") advice on navigating the FCC's ULS system to obtain a vanity callsign. Randy listened carefully, and now sports the new callsign **KK4EJ**!*

The New Bern ARC has been again invited to support the Coastal Carolina Women's Shelter 5K Walk/Run on Saturday, May 17. The time, place, and radio assignments will be the same as in the past, requiring 10 ops for about two and half hours in the morning. The event starts and ends at the Farmer's Market in New Bern, as before.

In addition, Neuse River Day is scheduled for Saturday, June 7. Again, the "drill" will be the same as in the past with about 6 "shadows" and 6 mariners, plus the Neuse Office, net controls, and relief ops — about 15 in all. There's plenty of time to get "sign ups" and cover details of the operations at our April and May meetings, but we hope that this advance notice will help to get the dates marked in your calendars.

Last year we had some problems with the repeater, but Bruce N8UTY has come up with a slick system that should give us 100% reliability this year. The folks who run these events have come to rely on us and have expressed that they couldn't get along without our communications. It's nice to be needed!

The Outer Banks Repeater Association's monthly meeting was held at Slammin' Sammy's on Jan 16, 2003 at 5:30pm and there was a very nice crowd of about 28 members present. The only new business discussed was about the 145.11 re-

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Mail to: Cary Amateur Radio Club, P.O. Box 53, Cary, NC 27512-0053
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Talk-In On:
145.39-

Doors Open at 8:00 AM

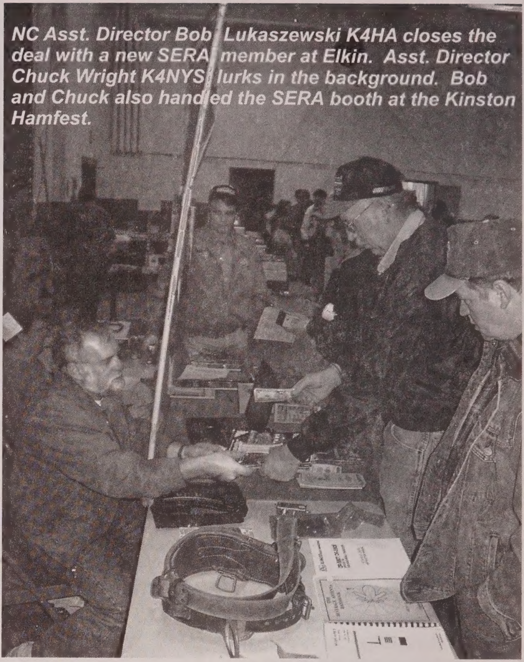
Important Note: Weapons and Pornographic materials may NOT be displayed or sold at the SwapFest Site.

peater which is on life support and is near death. W2EHD has done a fine job of keeping it alive and working but it is not going to last much longer. KB4TOH, from Columbia, gave us some new output tubes for it (yes, it actually has tubes) and it is currently putting out 35 watts. That is the most it has done in more than 8 months and is why it was so hard to hear outside of a 5-mile radius before. Signal reports, now, are much better and coverage is more in the 20-25 miles range.

The association is going to need to purchase a new repeater soon and this won't be cheap. It was voted on at the meeting to look into non-profit status so donations would be tax deductible and Jim W4ACT has agreed to head up that project.

Robert Crowley WB4LRH has been working for some time on obtaining permission to do a Centennial Special Event Station for the upcoming 100th year anniversary of Powered and Controlled flight by the Wright Bros at Kill Devil Hills, NC in Dec 2003. The time line shows the amount of work and dedication needed to get permission for setting up a special event station. The fact that it will be operating from a federally owned site adds many more levels of frustration, and our appreciation goes out to WB4LRH for his constant efforts to get this approved and we wish him luck in getting final approval soon.

On November 11, 2002 the Bob Dockery, WD4CNZ and the **WCARS/DERA aka MOE** van participated in an Amateur Radio demonstration at UNC-A sponsored by the Atmospheric Science Department and Leigh Orf KG4ULP. The purpose of the demonstration was to illustrate and explain the role Amateur Radio plays in disasters when normal line of communication are disabled. Many natural disasters are weather related; therefore, weather


NC Asst. Director Bob Lukaszewski K4HA closes the deal with a new SERA member at Elkin. Asst. Director Chuck Wright K4NYS lurks in the background. Bob and Chuck also handled the SERA booth at the Kinston Hamfest.

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forecasters and meteorologist need to understand the benefits of close ties to the Amateur Radio Community. Bob explained and showed future meteorologist how ham radio fills the gap when disasters occur not only for emergency communications but in gathering and disseminating weather related information such as SkyWarn and ARES/RACES

Courtesy of the **Brightleaf ARC**, VOA receiving station Site C took to the air during the BARC sponsored special event celebrating the 40th anniversary of the Edward R. Murrow VOA Station in Greenville. The event generated 220 contacts. The event offered a certificate for a SASE, and to date, they have received about 100 requests. It was a lot of fun and thanks to all who participated.

A special thanks goes to Doug K4ROK for station set-up and access and to Paul KS4YF for acquiring ECU permission to operate at the site.

Also, the BARC sponsored the Radio Merit Badge at the Boy Scout Pitt District Merit Badge Fair. Lea, Troop 826, Matt, Troop 46, Chris, Troop 30, and Mark, Troop 46 all earned the merit badge. A straight key and code practice oscillator and Murray K4MHM's crystal radio were the hits of the class. Many thanks to co-instructor Murray for his help and to Bonnie KG4CZW, Tom W4TEP, and Tod KG4CCX for assistance and support. All scouts had a good time. A happy customer is your best advertisement, so maybe these scouts will "talk-it-up" when registration begins next year.

Greensboro ARA noted that WFMY-TV News 2 Meteorologist Randy Jackson WX4RPJ gave local hams credit during a recent weather report on News 2. About 50 amateurs participated in the SkyWarn activities during this week's ice storm.

The High Point ARC had Van Denton, Fox 8's meteorologist, present for March meeting. Van presented a program on the weather and WGHP. Larry Frye was the speaker for the February meeting. Larry spoke about digital and analog Motorola radios used in the two-way business.

From the **Tar River ARC,** the **Northern Coastal Plain ARES Net** meets Tuesday nights at 8:30 pm on 145.290 MHz, 146.805 MHz, 224.220 MHz, 444.500 MHz, 444.700 MHz and 443.700 linked repeaters. Please check-in and become involved in emergency communications training. Wicky W4LW and Fred K4FMD provided an update of their latest venture to Antigua, V2-land.

Paul KD4BJD arranged a special tour of the new 911 center and EOC in Smithfield on February 22. Paul says the new center is the most advanced of any in the state.

Wilmington ARS issued a formal letter of notification to the ARRL NC and SC Section Managers about the funding of the CCHA-CARES hospital emergency communications repeater network and organization. This initiative was prompted by the CEOs of then 10 hospitals in the coastal Carolinas because of the September 2001 terrorist attacks. CCHA-CARES has the potential to become a prototype for health related emergency amateur radio communications. The three subcommittees - Equipment, Licensing and Training, and Organization - are meeting to set timelines for implementation. It is the hope of the group to have the repeater and hospital on-premises equipment in place by this July in time for hurricane season.

Kinston ARS activated its ARES training during the West Pharmaceutical Plant explosion. Ron Knapp, W9EF, noted that everything operated normal. One radio operator was in the EOC and another was at the site. Ron, District Emergency Coordinator for Area 3, stated that a report went in to the state and a presentation was made by him after being asked by John

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7th Annual

Catawba Valley Hamfest and Computer Fair

Burke County Fair Grounds
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Saturday
April 17th, 2004

To all of our attendees, thanks for making our 2002 Hamfest a big success! We hope to see all of you again next year. Remember to bring all of your friends!

A special thanks to the following dealers (visit our web page for their web page links):
Alabama Radio, Rad-Comm Radio, Virginia Ham Radio Supply, C T Morgan and Associates, AC / DC Electronics, CFM Communications, Tarheel Antenna, IDC Technology, Custom Audio and Video, Hamstick (Lakeview Company), Signman of Baton Rouge, Rosewood, David Jones, Ron Wilson, Wireman, Vortex Batteries, Joe Willis, Charles Wadell, Mac Computers, Blue Dunn, Norris Price, Doug Hall, Wolfenbarger, Frank Leberstein, Treasure Chest Software

Web Page: http://www.cvhamfest.org/

(W4CC) on the Monday night ARES net which meets on 75 meters (3923Khz).

Jean KB4OHX presented some flyers she had received for the RARSfest in Raleigh. Jean also read a letter from a "Life Service" in partnership with the Baptist Men's Fellowship. They are soliciting hams to operate their new station in Grifton. She read the equipment list and it was found to be all HF equipment. With that in mind, a General Class or higher seems to be their target. Jean said she would forward the letter on to Bernie WA4MOK Asst. Section Emergency Coordinator for the Eastern Branch.

The Azalea Coast ARC AC4RC (Wilmington) participated in the annual North Carolina QSO Party on Sunday, February 23rd. The club operated from The Battleship North Carolina and the USCG Station Oak Island.

Amateur Radio Operators from a three county area provided volunteer communications support for the **Uwharrie Mountain Run** held on February 8. This race is held within the Uwharrie National Forest. Approximately 470 runners participated in the race, which was divided into 8 Mile, 20 Mile and 40 Mile events. Twenty-three Ham Operators from Moore, Montgomery and Stanly counties, under the auspices of the Amateur Radio Emergency Service (ARES), set up radio communications at checkpoints along the run. The Hams relayed messages for race officials, monitored predetermined frequencies for emergency and routine traffic and monitored the progress of every runner. This tracking of runners is a vital service, as the possibility of runners becoming lost is of primary concern.

Anyone interested in learning more about the **Moore County Amateur Radio Society (MoCARS)** and the local ARES organization should contact Bill Shamblin at 295-3554. The club meets on the third Thursday of the month at 7:00 pm at the Moore County Public Library in Carthage.

Johnston ARS member Paul KD4BJD has been honored at the local Chamber Banquet as Benson's Citizen of the Year. It is rumored that his JARS membership is the primary reason for his recognition, fame and success. The JARS club closes out the NC hamfest season each year with its Benson hamfest in November. Please make sure to schedule this hamfest on your calendar to congratulate Paul.

Earl Fortner K4KAY has placed a new repeater on the air. It provides excellent coverage of Mecklenburg County, and easily reaches into Gaston, Cabarrus, Union, Iredell, and York counties, with hand-held coverage in most locations. The frequency is 444.350 MHz, positive offset, and a PL tone of 118.8.

SERA staffers K4HA, KN4AQ, K4NYS, KB4YFV, and W4FAL attended the Elkin Hamfest. SERA had an exceptional hamfest, signing up 33 associate renewal membership years, 12 new associate membership years, and 3 full memberships (which count two memberships). Frank normally provides a culinary critique of the Elkin Hamfest food but is currently on a diet. His critiques may be rare for the upcoming year. (KN4AQ lacks W4FAL's culinary credentials, but said the chili-dogs were excellent.)

Support your local club, its newsletter and repeater networks; volunteers are the key to maintaining ARES readiness, providing great public support, or handling repeater coordination.

Club trustees and newsletter editor, please contact John Covington **W4CC** at **w4cc@arrl.net**, to update the NC ARRL website. The information posted in the Journal typically is obtained from the club websites and newsletters. Please continue to send the news to **wa4ke@sera.org.** ■

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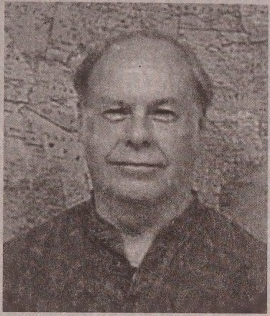
WA4MOK Appointed NC SEC



Bernie Nobles WA4MOK, new SEC for North Carolina

Bernie Nobles WA4MOK of Winterville will become the new NC ARRL Section Emergency Coordinator (SEC), effective April 12th, 2003. Nobles was appointed by NC Section Manager John Covington W4CC, after current SEC Dave Fleming KE4JHJ of Winston-Salem decided to step down after four years of service.

The SEC is appointed to take care of all matters pertaining to emergency communications and the Amateur Radio Emergency Service in the section. The SEC generally has a statewide presence on the Tar Heel Net, nightly at 7:30 on 3923 kHz (the Tar Heel net is the official Section HF ARES net).

"I'm very pleased to be able to appoint a well-qualified person to this position," Covington said. "Bernie has served us well as the Eastern Branch Assistant SEC for four years, and served as a District EC for four years before that. He will do an outstanding job as SEC." Nobles was also Pitt County EC.

Outgoing SEC David Fleming KE4JHJ will become Area 9 DEC

Bernie Nobles was first licensed in 1960. He is a past president of the Brightleaf Amateur Radio Club in Greenville (seven times), and chaired the club's Field Day effort at least 16 times, according to the club's newsletter, the Ham Chatter. Editor Dave Langley W4YDY adds that recently Nobles has been actively elmering new hams in the BARC club, running sessions on operating, setting up a station, emergency operations, antennas, demos, etc. Professionally, he is a site supervisor for the UNC Public Television system, and spends a lot of time several thousand feet in the air on towers around the state.

Outgoing SEC Dave Fleming served during two challenging disasters for ARES - Hurricane Floyd in 1999 and the December 2002 ice storms, and has been involved in development of the recently completed NC RACES Guidelines. "Dave will become the Area 9 District EC, which has been a difficult position to fill. I'm glad Dave is remaining a part of the team, he has been a big contributor to ARES in many ways," Covington said.

NC Section leadership wish to thank both Dave Fleming and Bernie Nobles for their participation in ARES.

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Salem Civic Center

May 23-25....Martinsville, VA
National Guard Armory

June 20-22...........Kokomo, IN
Johanning Civic Center

June 27-29Dayton/Xenia, OH
Greene County Fairgrounds

July 4-6........Waynesboro, VA
William Perry Elem. School

July 18-20...............Boone, NC
National Guard Armory

Aug. 8-10................Dalton, GA
NW GA Trade & Conv Center

Sept. 12-14.........Asheville, NC
National Guard Armory

Oct. 3-5.........Indianapolis, IN
Indiana State Fairgrounds

Oct. 10-12 Dayton/Xenia, OH
Greene County Fairgrounds

Oct. 24-26 Harrisonburg, VA
Rockingham County Fairgrounds

Nov 15-17 Charlottesville, VA
National Guard Armory

www.toteshows.com

SOUTH CAROLINA

REPORTED BY
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UNION, SC 29397
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w4rwg@sera.org

Hello South Carolina,

Since the last issue of the Repeater Journal a terrible tragedy happened. We all watched as the Columbia Space Shuttle came apart before our eyes. I extend my sympathy to the families and friends of the victims of the Columbia disaster. Kalpana Chawla KD5ESI, and Laurel Clark KC5ZSU, two of the Astronauts onboard were both active amateur radio operators.

It is the last of March as I write this and I am already cutting grass and doing yard work. Looks like an early Spring in South Carolina. Jim WJ4C (SC Vice Director) and I attended the Charlotte hamfest earlier in the month. It seems to get bigger and better each year. I was glad to see the North Carolina "Lynch Mob" as Wayne called them. They were busy selling SERA *Journals* and answering questions. I picked up a box of SERA *Journals* for some South Carolina hamfests and bought a couple of computer items.

Now let's see what is going on in South Carolina.

The Anderson Radio Club will host their annual hamfest on April 26th at Saddlers Creek State Park. This is a very friendly little hamfest and I urge you to attend. The ARC reports the death of Lee Patience W4DRF. Lee was the husband of Emmie KA4LRM. I extend my sympathy to his family and to the ARC. Some of the programs presented at recent club meetings were a program on APRS given by Jim Hagen KD4HEY, and a program on repeaters given by Steve Foster N4SZ. The ARC holds a net every night at 8:30 pm on 146.790.

The Blue Ridge Amateur Radio Society announces that their annual Upstate Hamfest has been selected as an ARRL State Convention. South Carolina Section Manager Dr. Jim Boehner N2ZZ will be a key speaker. The date is May 3rd and it will be held at the Spartanburg Fairground. Jim WJ4C and I will be there also, so look us up and renew your SERA membership. We will be the guys in the red shirts.

The program for the February meeting of the BRARS was on Slow Scan TV given by Bob Coleman K4AWB. SSTV can be enjoyed by a Technician License holder since it is done on two meters. The BRARS welcomes new members Carolyn Grayson KG4WNN, Steven English KG4WNL, David Boswell N4APY, and Edward Romney N4DFX. The Greenville WCARS VE team gives exams the first Saturday of each month at the Red Cross Building on Grove Road. The contacts are John Chism ND4N or Sue Chism N4ENX, n4enx@mindspring.com.

New SC Repeaters

Freq	Callsign	Location
224.520	N7GZT	Lexington
224.640	N7GZT	Richland
224.180	N7GZT	Orangeburg
146.955	KD4BMX	Pine Ridge
444.050	W1WBT	Lake Wylie
147.090	K4JLA	Pauline (relocated)
442.675	WA4MPZ	Bluffton

The Chester Amateur Radio Emergency Services Club welcomes new member Tom Fort KA4KGR. The Chester Club is busy making plans and advertising their annual tailgate party. The date and location is June 21st at the Chester State Park off Highway 72. Make plans to attend this FREE ham radio event. They think this year's event will be the biggest yet.

The **Chesterfield County Amateur Radio Club** contributes to our column for the first time this issue. On behalf of SERA I welcome you and encourage you to send me your newsletter each month. The CCARC had a foxhunt combined with a GEO CACHE hunt. Certificates were given to all participants. The club donated their *QSTs* to the library of Cheraw High School. What a great idea! What better way to introduce Amateur Radio to young people. Maybe other clubs will follow suit. The CCARC meets the third Thursday of each month and their club repeater is on 147.350. Thanks Tommy for sending me your newsletter. Tommy Hyatt KD4ZMR is the Club Secretary.

The Columbia Amateur Radio Club has been very busy. They have prepared a calendar of events for the whole year. Planned for April at their monthly meeting, Brian Fletcher K6NWS will give a program on Simplex and Repeater Operation. A Fox Hunt, and helping with the Lexington County MS walk on April 6th is also planned. The speaker at the May meeting will be Bill Lemmon who will give a program on antennas. Also planned for May is a training program on the New Ham Discussion Group for new hams. The group gives new operators the opportunity to ask questions about different aspects of ham radio such as operating practices, equipment, and the proper use of repeaters and auto patches, etc. There will be guest speakers and maybe even project building. The group meets the third Saturday starting at 10 AM in the Red Cross building on Bull Street in downtown Columbia. News hams or old hams are invited to drop by and join in the discussions.

The Florence Amateur Radio Club announces the death of club member Ray Caulder N4HPV. Club member RK Harmon KC4UTX lost his wife the week before Christmas. I extend my sympathy to both of these families. The FARC announces that Mike Duff KG4SLH is their new publicity officer. He will make sure that the FARC is known in the Pee Dee area of South Carolina. Congratulations on your upgrade to Extra. The club has two new repeaters, 224.94 and 444.00. Both are up and running.

The Foothills Amateur Radio Club took part in the March of Dimes *Walk America* on April 26. Congratulations to John W5UGD for his appointment as Emergency Coordinator for Pickens County. The FARC welcomes new members Robert Zerlaut KG4YDB, Jennifer Zerlaut KG4YDC, and Keith Barnes KC0FIX. Congratulations to Dianna Hancock KN8COB for upgrading to General. Club members Christopher KG4UOY and John W5UGD gave a presentation to Pickens High School. School officials are considering the formation of an Amateur Radio Club at the school. Their presentation was well received. Club President Les Shattuck K4NK suggested that a class could be given by the club for the proposed new club.

The Grand Strand Amateur Radio Club helped with the Myrtle Beach Marathon on Saturday, February 22. All who participated enjoyed a cookout after the event. On April 26th the GSARC participated in Volunteer-Make a Difference Day. This was a day set aside for volunteer organizations to let the community know what they do in and for the community. This year the event was held at Inlet Square Mall. The GSARC has acquired a new location for **"Beachfest 2003".** The hamfest will be held at the Conway National Guard Armory. Five dealers have already committed. The ARRL has been asked to make the event a South Carolina Section Convention for 2003. The date is November 8th, 2003 so make plans now to take your family to the Beach for a weekend and attend the hamfest. I am.

The Keowee-Toxaway Amateur Radio Club announces the death of Elaine Harvey KE4BVI, wife of Paul Harvey KE4AAZ, on March 7th after a long battle with cancer. Elaine and Paul celebrated their 52nd wedding anniversary recently. My sympathy goes out to the Harvey family and to the KTARC. Some recent programs held at meetings were IRLP by Randy Kelly WA4JRJ, ARES/RACES by Mike Oakley N9GSX, and The Civil Air Patrol by Ralph Driver KC5GPM.

The Laurens Amateur Radio Society spotlighted one of its members in their last newsletter. Spence Miner K4KEP has for many years been involved with emergency communications through the Skywarn program, MARS, and other venues of disaster communications. Spence has been very instrumental in getting Skywarn off the ground and has been liaison with the Greer Meteorological Office for many years. He has personally invested in portable communications equipment and a trailer to haul it around. He maintains a backup generator and deep cycle batteries. My hat is off to Spence for his efforts and dedication to the Laurens Amateur Radio Club and to Amateur Radio Emergency Communications. I met Spence when packet was popular a few years ago. Both he and I were involved with packet communications.

The Salkehatchie Amateur Radio Society has a new meeting place. The First Baptist Church of Barnwell conference room is now used for the regular meetings and VE sessions.

There will be a "friendly get-together" at Elko Farms in Elko, S.C. on April 26th. My friends Ray WA4OMM and Kathleen KB4HWC Thomas **(Rosewood)** will be sponsoring this event. The SARS net meets every Monday night on 147.030 repeater the PL is 156.7. Stop by for good fellowship.

The Spartanburg Amateur Radio Club congratulates Robert Boudreau N8JIF on his Extra upgrade. I congratulate Arthur Patterson KE4EAN on his ARRL appointment. Art is the new District Emergency Coordinator for District 2. I hear Fritz got rid of the squirrel nest on his tower, and has been busy climbing towers again. I hear that after the ice storm, he was in high demand in Spartanburg County. Keep up the good work Fritz. The SARC has re-coordinated the 147.09 repeater to a new location in the western part of Spartanburg County in a little community called Pauline. The repeater is now up and running. I was glad to assist them with the coordination. The February and March meetings of the SARC were devoted to Basic and Advanced Skywarn training. Roger Smith W4CUZ, program chairman, is doing a great job with programs for the club.

The Union County Amateur Radio Club held their annual hamfest on Saturday, April 5th at the Union County Fairgrounds. The turnout was good and they had more dealers than in recent years. I believe the date change along with better weather contributed to the success of this years show. I wish to thank Ray Thomas WA4OMM for his assistance in helping us search for a new date and for his and Kathleen's dedication to our hamfest since its inception. The Union WCARS VE Team holds exam sessions the 2nd Thursday in January, March, May, July, September, and November at 7:00 pm in the Union County 911 Center training room on North Pinckney Street in Union, SC. Contact Jim WJ4C for information, **wj4c@charter.net.**

The York County Amateur Radio Society members have had a very active year so far. Mike Croft KG4LUS will serve as the Field Day Chairman for this year.

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Bob Bacharach WA2EMF, President for the year 2002, will be heading up all of the Hamfest arrangements as Hamfest Chairman. Congratulations are in order to Bob Bacharach WA2EMF, and to Marc Tarplee N4UFP. Bob is the new ARRL Assistant Section Managers for South Carolina, and Marc is the new South Carolina ARRL Section Technical Coordinator.

YCARS members held a Barbecue Fundraiser on March 15th, and despite a very rainy day, was very successful. Several members set up and operated a demonstration station to try to promote Ham Radio. Vince DeCarlo KG4ZOQ, Warning Coordinator Meteorologist, for Greer National Weather Service, was the guest speaker for the February 27th Program Meeting. Vince held the Basic Skywarn class, and then returned on March 27th for the Advanced class. Welcome to Jeff Brown KG4YKQ newest member to the club.. Congratulations to Russ Harpster KG4EAP and Morgan Williams KB4GFJ on their recent upgrades to General Class. Van Brown KG4LUT worked especially hard on getting things going for the "Come See Me" bicycle race held on the 5th of April. YCARS members provided all of the communications for the Rock Hill Bicycle Club. Congratulations to Terry Campbell KG4RFQ. He is a new grandfather! Grandson Caleb was born on March 26.

Attention South Carolina Repeater Owners. Are you a SERA Full Member? I would like for you to consider joining the SouthEastern Repeater Association. The cost is only $20 per year. Send your full membership dues today. Lets make South Carolina 100%. SERA needs your support and with full membership not only will you support the SouthEastern Repeater Association, you and your designee will receive the *Repeater Journal* for as long as you are a full member. What a deal!

Would you like to see news from your club in the journal? Tell your club Secretary to make sure I am on their newsletter mailing list. I sure would like to have some news from the Charleston area. How about it, Ed Frank?

73, Roger, W4RWG
South Carolina Director

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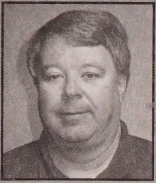

TENNESSEE

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TN Governor Signs State PRB-1

Tennessee now has its own version of PRB-1! Governor Phil Bredesen signed the law on April 29. It was the culmination of two bills that were initially introduced by two Cleveland lawmakers, Representative Chris Newton and Senator Jeff Miller.

One bill, written and proposed by **Ingrid Klose**, Tennessee state legislative liaison for the ARRL, would codify PRB-1 in state law. The other, a re-write of last year's ARRL bill, sets minimum heights for cities and counties to use in drafting local zoning laws and offers an appeal process for amateurs wishing to erect higher antenna structures. That version would let local government officials decide appeals for taller antenna structures.

The final bill ended up with the simpler language supporting PRB-1, but not setting minimum heights:

(a) A municipality, including a city or lesser incorporated area,or a county may not enact or enforce an ordinance that does not comply with the ruling of the Federal Communications Commission in "Amateur Radio Preemption (PRB-1) or a regulation related to amateur radio service adopted under 47 C.F.R. Part 97.

(b) If a municipality adopts an ordinance involving the placement, screening or height of an amateur antenna based on health, safety or aesthetic conditions, the ordinance shall
  (1) Reasonably accommodate amateur radio communications and,
  (2) Represent the minimal practicable regulation to accomplish the municipality's or county's purpose.

The new law represents two years of work by a number of Tennessee amateurs to add PRB-1 to the Tennessee state code.

It looks like the folks around Greenville have been busy getting new repeaters on the air! (See New TN Repeaters box.) By the way, several of these machines have been coordinated as wide coverage. Consult the *Journal* index for more information about these repeaters.

Journal feature writer **Dave Bower K4PZT** contributes news from the Knoxville area:

Paul Lewis W2HST recently received the Outstanding Educator Award for March as awarded by Knoxville TV Station WATE. Paul is the Astronomy Outreach Director at the University of Tennessee in Knoxville and promotes astronomy and science to area schools and the general public. He is a "fairly" new ham and has become very active on the air. He has organized the Space Sciences and Astronomy Net on the Knoxville 147.30 repeater, and it meets the first and third Thursdays of each month at 10 pm ET.

New TN Repeaters:

Tennessee state director **Tim Berry WB4GBI** tells us there have been several new repeater coordinations recently.

Freq	Location
147.315	Tellico Plains
147.120	Lake City
224.720	Greenville
224.920	Cleveland (relocation of an existing repeater)
442.700	Greenville
443.750	Crossville
444.200	Greenville
444.700	Palmer
1286.000	Nashville

By the way, the 'HST' in his call stands for Hubble Space Telescope.

Two new nets in East Tennessee are:

The **Smoky Mountain Amateur Radio Club** (Maryville, TN) has a net on Thursday on the 146.655 club repeater at 7 pm ET.

The **220 Fun Net** meets each Tuesday on the Knoxville 224.500 repeater at 8 pm ET.

The **Sunday Night Six Meter Net** meets on the Knoxville 53.77 repeater at 9 pm ET. Five minutes after the conclusion of the FM portion of the net, a separate SSB net continues on 50.2 MHz (USB).

Some club officers:

Radio Amateur Club of Knoxville: President **Carol Whetstone N4LFR**. Oak Ridge Amateur Radio Club: President **David Bower K4PZT**. Smoky Mountain Amateur Radio Club (Maryville): President **Lynn Lamb W4NL**. Lakeway Amateur Radio Club (Morristown): President **Robert Morris N3ID**. East Tennessee DX Association: President **Wayne Gardner N4FLM**. METERS: President **Sheila Tallent KB4G**.

The **Radio Amateur Club of Knoxville** is celebrating its 50th Anniversary this year. They have a special logo with a 50th Anniversary banner. They are one of the oldest clubs in Tennessee.

Mark your calendar now for two East Tennessee hamfests. The **Knoxville Hamfest and Electronics Exposition** is holding its 37th Annual hamfest on June 14. The hours are 9am-4pm. The event is held the second Saturday of the month of June. This year, it's the ARRL Tennessee State Convention. A special Electronics Exposition and "Sneak Preview" of inside dealers is scheduled Friday, June 13 from 6pm-9pm ET. The Web Page at **www.W4BBB.org** has more information.

Speakers at forums this year include **Doug Smith, KF6DX** (QEX Editor and TEN-TEC Senior Engineer); **Bill Cross W3TN** from the FCC in Washington, DC; **L.B. Cebik W4RNL,** published antenna author; **Steve Ewald** from the ARRL Headquarters, and others.

The **Oak Ridge Amateur Radio Club** is holding its annual Hamfest Saturday, October 18, 2003. The location is the Fraternal Order of Eagles facility, 1650 Oak Ridge Turnpike, Oak Ridge, TN. The new Hamfest Chair is Tom Muncy (AG4SF). The club's Web page is: **www.kornnet.org/orarc.**

In Bradley County and across the state, amateurs will play a significant role if smallpox vaccinations are ordered. Local governments have developed plans to provide sites and manpower to vaccinate everyone in ten days. Organizers in Bradley County asked RACES and ARES to help with communications at twelve park-and-ride sites and two schools where the shots will be given. Each site is to be open 16 hours a day but only if the President orders vaccinations.

SimuAwips from NWS Nashville

Michael Davis, who works at the National Weather Service office in Nashville, sent us some information about SimuAwips for our last column. We didn't have space to include it in that issue so we held it for this issue of the Journal.

SimuAwips is **Middle Tennessee Skywarn** Homepage's online weather center that brings numerous weather products found across the internet together into one centralized location to help emergency managers and spotters stay informed with the latest weather developments across Middle Tennessee. Products range from model data to radar data all the way to real-time text products from the National Weather Service.

The name, SimuAwips, stems from simulating (Simu) the National Weather Service's high-speed technologically advanced processing, display, and telecommunication network called the Advanced Weather Interactive Processing System (AWIPS).

SimuAwips became an idea on December 16, 2000, during a tornado outbreak across Northern Alabama and Southern Middle Tennessee. During this event, the idea of having a centralized organization of real-time weather data with automatic updates of weather warnings, radar data and images became necessary for not only emergency managers, amateur radio groups, and spotters, but for the safety and protection of the general public as well. So after much planning and work, SimuAwips was introduced to the world just in time for severe weather season, on March 1, 2001.

SimuAwips has a variety of weather products available to the world, but geared to serve the Middle Tennessee area. Some of these products range from real-time radar data, hazardous weather outlooks, to real-time weather warnings, and much more at no cost to the communities. All text products are sent out utilizing "push" technology the very second they are available. Automated icons and voices indicate what product has been issued. SimuAwips has been quoted by several people as "the fastest and most reliable way to obtain weather warnings via the Internet." SimuAwips is becoming an increasingly important part in dissemination of National Weather Service warnings across Middle Tennessee, especially in areas that are in the fringe of NOAA Weather Radio.

After one year in service, SimuAwips has grown to serve over 7000 unique visitors per month, and the numbers still continue to climb. Numerous Emergency Management Agencies across Middle Tennessee utilize SimuAwips as another way to obtain their weather products. SimuAwips has been proven to assist the National Weather Service's mission in the protection of life and property. You can locate SimuAwips off the Middle Tennessee Skywarn Homepage website at **www.mtsh.org** or by the URL **www.mtsh.org/SimuAwips**.

Bristol area amateurs may want to check out the **Bristol Amateur Radio Club** (BARC). They meet the first Thursday of each month at the Bristol Regional Medical Center. The meetings start at 7:30 p.m. and they always have an informative program.

Gwen Cole KF4ROX is the new Anderson County Emergency Coordinator. And **Tom Muncy AG4SF** is the Oak Ridge Amateur Radio Club's 2003 hamfest chairman.

Don't forget to take a few minutes to check your station's grounding now that spring storms are here. As the old saying goes, an ounce of prevention is worth a pound of cure. In this case, though, it could be the difference in loosing your prized rig, computer or a tv set. We all know it's a good idea to disconnect antenna coax when a thunderstorm approaches. And always be prepared for an emergency because we never know when we will be needed.

Thanks to Dave and Michael for their contributions to this issue of the Tennessee column. If you would like to pass on your club activities or amateur news in your area, e-mail me at **kd4nec @sera.org**. Contributions are appreciated!

Till next time, 73's.

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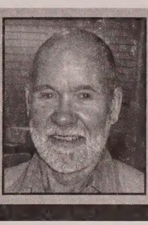

VIRGINIA

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The President's Day Storm Event. . .
. . . And the "Aftermath"

[Editor's note: for those unfamiliar with emergency communications in Virginia, it will help to know that there are two groups using the name "RACES." One is VARACES, Inc., an independent group that split from the ARRL-ARES organization two years ago. The other is ARES/RACES, part of the ARRL Field Organization.

The circumstances of the split left bitter animosity between some of the members and leaders in the two groups that continues today. This animosity can be seen in some of the comments that Fred reports.

*Fred is a member of VARACES, Inc. After reviewing a lot of background information he sent me, it is my editorial opinion that readers should consider this column to be **his** editorial opinion. The facts of the events described are in dispute by the participants - KN4AQ]*

Response

This is the report of my participation in the President's Day Storm Event. (Every time hams are activated for an emergency it's called an 'event'.)

Fri. 14 Feb, 21:35. Email to VARACES, Inc. officials contains a weather update and "Call to Limited Action." This also brings our organization to Level I, which means 'start payin' attention.'

Sat. 15 Feb, 11:20. Email Weather update for all the NWS stations covering Virginia. We are advised that NWS is looking for snow and ice reports, and the web site links are provided.

Sun. 16 Feb, 12:29. Email: Governor declares State of Emergency. We go right to Level III. Packet operation of the BBS system at VAEOC is changed from general Amateur use to ECOM. ODEN (the Old Dominion Emergency Net) is activated on 40M.

14:43. Email – VAEOC RACES Station in Richmond to be staffed. A request for snow level and ice reports to NWS. Also advises that the VAEOC will be staffed at 0700 and HF operational. The primary and secondary repeater frequencies for VAEOC are given.

22:57. Email – a copy of a Request for Declaration of Communications Emergency. The original fax was sent to the FCC from Tony Amato KR4UQ, VARACES Inc. State Radio Officer, on behalf of Fred Vincent, VDEM (Virginia Division of Emergency Management) Operations Director.

President's Day, 0700. I start getting my station on the air. There is no snow in Zuni. So, may be in a position to provide mutual aid if required. I begin to copy the ODEN, then operating as Virginia Emergency Net – Alpha (VEN-A). Aim the 2M beams toward Chesterfield, and the secondary repeater, which I know I can hit. Within a few minutes there is a request on the repeater to relay a message to VEN-A NCS. The message is for NCS to pick up the text of the FCC Declaration for Communications Emergency from their email. Message is relayed and within a few minutes the Declaration is read on the air.

The net was basically running as 'establish the net and stand by.' Roll calls were conducted regularly and to Virginia's good fortune that is about all we had to do. After a couple of hours or so, I asked to be excused from the net, this was granted, and I secured my station.

Mon. 17 Feb, 07:14. Forwarded email received of the text of the Declaration that had been sent to the VDEM from the FCC.

Some time after 2pm I am able to return to the net and determine that it is no longer operating.

14:49. Email message says RACES Stands Down. Operators are thanked by VDEM, repeater operators are thanked for the use of their machines. Included is the FCC Termination of Communications Emergency notice. I am feeling pretty good that the storm did not cause problems to an extent that hams were needed. Thought that was the end of my connection to the President's Day Storm Event.

THE "AFTERMATH"

Well, seems there was one of those "flaps" brewing that Virginia has become known for over the past few years. Some officials and members of Virginia ARES/RACES, the ECOMM group associated with the ARRL, thought the FCC Declaration was false. That stemmed from language in the bulletin that said the Declaration was made "in conjunction with the ARRL." The request had come from VARACES, Inc., not the ARRL affiliated ARES/RACES, but the FCC evidently inserted the ARRL reference as standard language (see W1AW bulletins ARLB016 for Virginia, and ARLB018 for Kentucky).

There was also some widely circulating hearsay that an ARES/RACES member had interfered with VEN-A by transmitting into it with the claim that the Declaration was false. I contacted the email of the ham, in Michigan, that transmitted into the net and explained the nature of the net – check in and stand by – and that I am sure that could have sounded like a lot of ragchew. He acknowledged that it was he that had made the transmission and apologized. This simple verification confirmed that Virginia ARES/RACES members were *not* associated with this transmission into the net.

But it is also clear that from the first questioning of the erroneous language in the declaration that the leadership, field officials and some members of the ARES organization became engaged in an effort to unearth a problem that never existed in the first place.

A victim of this effort was Steve Cuccio NB3O, Net Manager for the Old Dominion Emergency Net (ODEN) that operates as Virginia Emergency Net – Alpha (VEN-A) when activated. Steve described an "inbox full of mis-information" and "messages, some of which were vicious". The FCC was contacted, and officials at the League were involved as the Declaration was taken off the ARRL web site, and then later restored. All of this activity appears to have stopped on or about 2/24. The result of this activity was that it precipitated the resignation of Steve as Net Manager of ODEN. This is a loss to be lamented.

Steve' widely circulated resignation does not mince words about what he believes is the source of the problem. With Steve's permission, I quote, "…as I have noted to the Virginia Section Manager, certain few individuals in the current ARRL ARES leadership have subverted progress made by other amateur radio communications organizations, including ODEN. The latest serious incident involved accusations made by ARRL ARES leadership regarding a false FCC declaration for emergency communications announced during the ODEN activation by me and the other NCS's supporting the recent snow emergency last week." I quote further, "Incidents such as these and the continuing non-cooperation by these few ARES officials have taken its toll through the Commonwealth's radio amateur community. . . Since the Virginia Section Manager has not currently elected to make changes to fix this situation, I have chosen to re-allocate my time normally spent as net manager for the ODEN"

I know that suspicions and accusations stick in peoples' minds a lot longer than the exoneration. Given the absolutely erroneous accusations and how widely circulated they were, as evidenced by Steve's email volume and vehemence, I believe an apology is in order.

ALL of the questioning, erroneous assumptions, rancor and so on could have been completely averted with a one-minute phone call to VDEM.

Every ham in Virginia can be assured that the FCC Declaration of Communications Emergency (ARLB016) and the Termination of same (ARLB017) were requested by the proper authority, appropriately handled, promptly granted by the FCC, and properly announced on VEN-A. Of this, there is no question.

In the course of looking into this situation, I have been forwarded a great quantity of email messages. Many of these messages have become widely circulated by others to the extent that they are now 'public'. From the content of the messages I can only conclude that the Virginia ARES/RACES organization has completely wrecked its relationship with the Virginia Department of Emergency Management and the Operations Director, Mr. Fred Vincent.

In a 22 Feb 2003 email the Assistant Section Emergency Coordinator, Tom Harmon AK1E, warns the reader to "allow for the friction between them" [referring to Section Emergency Coordinator Tom Gregory N4NW, and Mr. Vincent]. On 23 Feb 2003 the ASEC describes communications between Mr. Vincent and the SEC as follows, "N4NW [SEC] (we call him junk yard dog) must have bit him."

On 23 Feb 2003 Mr. Vincent emailed the SM a message titled "Inappropriate email and actions by members." From this message I quote, "This controversy appears to be leading to the resignation of the ODEN net manager, which will greatly (negatively) impact emergency communications in Virginia. It is this very type of activity that is destroying the credibility of the ARRL ARES officials and organization in Virginia." I quote further, "I see no positive or constructive effort….., rather I see deliberate action to create controversy and further the rift between the ARRL affiliated individuals and the other amateurs in Virginia." In the concluding paragraph Mr. Vincent says, "As Operations Director for VDEM, I request that you conduct an immediate and formal investigation into this incident and the actions of your officials."

In communications with me, Mr. Vincent is firm in his commitment to amateur radio as an asset. VDEM will continue to work with all amateurs who are "trained and willing". His forbearance in the face of all the intramural amateur radio BS that has occurred is the measure of his commitment to our service. The SM has not responded to my email queries related to the requested formal investigation, so I cannot confirm that the investigation requested by the state's top EM is under way nor pending. It will not be a big surprise to your correspondent if Mr. Vincent finds a way to utilize "trained and willing" amateurs that bypasses the salvage yard.

VA RACES out at VA State EOC

Gary Pearce KN4AQ

The tug-of-war between between the independent VARACES Inc. and the ARRL affiliated Virginia ARES/RACES tipped a bit toward the ARRL group in March.

VARACES State Emergency Radio Officer Tony Amato KR4UQ announced in a bulletin on March 9th that he and several other VA RACES officers were withdrawing their support of operations at the State EOC in Richmond. VARACES has been providing staffing for the State EOC since 2001, when the group split from the ARRL after the ARRL Executive Committee removed Lynn Gahagan AF4CD from his post as VA Section Manager. Amato had been Ganahan's SEC.

Amato cited difficulty working with VA Dept. of Emergency Management Operations Director Fred Vincent, when Vincent would not make a clear choice between Amato's group and the ARRL. Amato charged VDEM of "playing favorites with the ARRL," among other things. Vincent has stated a desire to work with amateurs from both groups.

Replacing them will be hams organized by the Richmond Amateur Radio Club, according to an announcement on the ARRL Virginia Section's ARES/RACES web page. The Richmond group is independent, and will welcome operators regardless of group affiliation.

Preparedness:

Virginia's Medical Examiner Holds Statewide Emergency Communications Exercise

On March 6, 2002 the Virginia Medical Examiner's Office held a statewide emergency communications exercise that involved their four district offices in Richmond, Roanoke, Fairfax, and Norfolk. Tom Goyne N4NSP, and Lori Hardin, the ME's Statewide Emergency Planner, were at a remote site on Afton Mountain, where they exchanged traffic with the district offices simulating mass casualty incidents.

Each office had a separate incident that reflected possible terrorism threats. These ranged from a Sarin chemical incident at a shopping mall in Fairfax to a Radiological Dispersal Device (RDD) or a so-called radioactive "dirty bomb" at a convention center in Roanoke. These incidents involved the potential of many lives lost and represent some of the challenges for Medical Examiners nationwide.

All of the traffic was passed by digital means, using the VDEN packet system on 145.730 MHz, and via Pactor I using the Winlink 2000 system of PBMO's on 40, 30 and 20 meters. Traffic was confirmed by voice on local repeaters that could be accessed from Afton Mountain. These included Culpeper repeater on 147.120, Rocky Mountain/Lexington on 147.330, the 147.270 repeater in Gum Springs, and the 147.075 repeater for Afton Mountain. Warren Mitchell KO4XB, a volunteer who works with the Richmond ME's office, used the 146.760 repeater in Williamsburg to contact the Norfolk office.

According to Goyne, they had some real world problems that varied from a BBS not working properly to antennas blowing over even though they were guyed and protected in two directions from the wind. He is planning to upgrade his Pactor operations to include the significantly faster Pactor II or III. "We have had tremendous support from the Amateur Radio operators who are interested in emergency communications preparedness," Goyne said at the office in Norfolk.

The Virginia Medical Examiner's Office is one of the few state agencies that actively prepared for emergency communications before the terrorism attacks on 9-11-01. Each office has a staff member who has a Technician license to cover emergency communications until RACES members are in place. The Medical Examiner's Office continues to upgrade their equipment and plan their response to possible terrorism events. At the time of this writing, their offices were on "High Alert" in response to the war with Iraq.

[For information on Winlink 2000 go to **www.winlink.org.**]

Comment

On a recent Sunday morning Television interview, Vice President Dick Cheney used the 9-11 attacks as the defining moment between the 20th and 21st centuries. The Response part of my column is 20th century, just a big snowstorm that has the potential of knocking down phone lines and interrupting electrical service. Preparedness is the 21st century. Amateurs are embedded in an organization alert to the terrorist potential. Aftermath has no part in either century. A friend shared this insight as I was preparing this column, "You must not lose sight of the fact that the GREAT MAJORITY of volunteers are reasonable and dedicated people with service as their primary goal."

73, bki

SQUELCHTALE - *CONTINUED FROM BACK PAGE*

I cringed a bit. Her crystal ball was showing the present, and I knew that we were a bit behind the times. Ham radio had been at the leading edge of technology for a long time, but it seems like today we are trailing. Our cw, SSB, FM, and even packet and PSK are fun. They serve our needs and wants. But they are getting old. And so are we! Fewer kids are becoming hams. They have newer, shinier toys to play with. Are we doomed to become an anachronism?

I couldn't stand it any longer. I grabbed the crystal ball and twisted it around so I could look in her side. It was like a touchscreen! Sort of. She protested, but it was too late. The future was being revealed.

But not all that clearly. The screen was shrouded in a kind of mist. But I was watching an HF operator using a new digital radio. His contacts were clear and noise-free, like the FM we use on VHF. There were a bunch of these digital signals clustered at one end of the band, and they were narrower than the SSB signals just down the band. I could tune in the sideband better than the fortune-teller (I'd had a lot of practice). Someone was complaining about the racket in his speaker from the digital signals. It was "the end of Amateur Radio."

I went searching for VHF and UHF, and almost missed it. The activity had jumped up the spectrum, to the microwaves, bands we almost lost to commercial interests because we weren't using them. What a mix! Hams at home using broadband digital signals from their computers, sending voice, text, graphics, even video back and forth. The connections were quick, and worldwide. It looked something like today's Internet, but it was totally wireless, and all on ham radio bands.

Hams in their cars were using radios that looked like today's FM rigs, but they were connected to the audio end of this big network. Looks like they hadn't yet invented cars that could drive themselves while the drivers played with their computers.

Everyone seemed to be having a great time, until I zoomed in on a guy running an old FM rig talking on two-meters. His face was red with anger. "The end of ham radio..." he fumed.

The crystal ball went dark. The fortune teller held the power cord that she had pulled from the wall. "You've seen enough of the future," she said. "You must now go help make it happen."

The future is brought to you by...

This future is brought to you by several things. The 802.11b based "Hinternet" that the ARRL has been promoting, Alinco's dual-mode analog/digital HT, the HF digital system that the guys at TEN-TEC have been testing, the guys experimenting with IRLP and Echolink, and a concept that Icom has been developing in Japan that they're just springing on us here called D-STAR.

D-STAR is a system that combines analog FM, narrowband and wideband digital voice, data and image at 1200 MHz, and very wideband digital linking at 10 GHz (see the diagram, below). This stuff is about to be on the market here. It isn't on Icom's web site (at press time), but they introduced it to the US at Dayton last year, and at the Charlotte hamfest this year. Be the first on your block to get one.

Before you run screaming that you just plunked down $400 for a new dual-band mobile, you can relax. Our current modes will be around for a long time. We won't even start calling them "legacy" modes for another five, maybe ten years.

But single-channel, individual user digital is around the corner, both for HF and VHF. Engineers are figuring out how to compress the signal into less space. On HF, it provides the user with FM-like audio and less interference with the same spectrum as SSB (about 3 kHz), and eventually less. On VHF/UHF, you get a "full-quieting" signal until the signal is gone, and then it just disappears. And it will require less spectrum, too. They'll both likely have some text messageing ability in addition to voice. The radios you'd use for these modes will look and operate a lot like todays radios. I expect they'll be dual-mode, analog and digital, for a long transition period. And internet-like wideband networking is probably not far behind... IF we're willing to build the systems.

SERA's place in the digital future

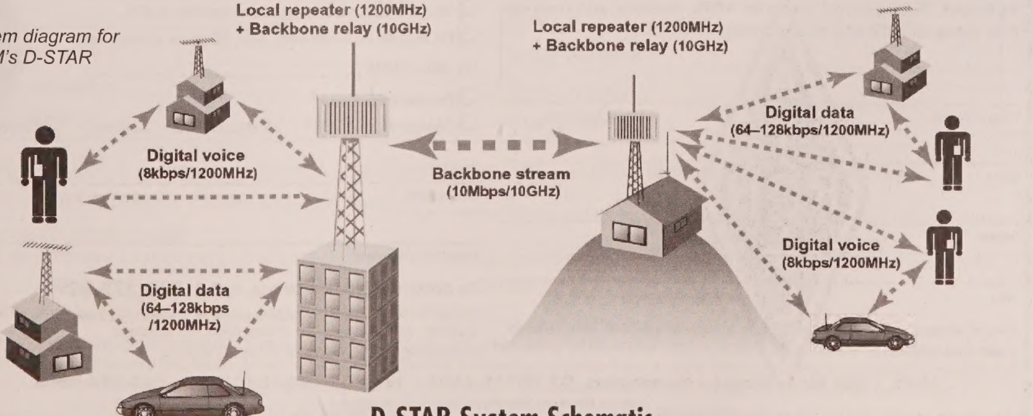
The Icom system uses bands with lots of elbow room. The experimenters setting DX records between mountaintops with 10-Gig Gunnplexers probably won't mind the company. But integrating digital in our lower frequency spectrum will be more of a challenge. One that SERA will face in coming years.

On HF, individual digital signals, carring voice, with maybe a text add-on in the 3 kHz space of SSB, will compete for spectrum in the phone bands. It won't sound pleasant coming out of a speaker on an SSB receiver. The HF bands can be pretty crowded, and making space won't be easy. I can imagine fights breaking out here and there. Pretty similar to the AM/SSB transition.

On our VHF/UHF bands, SERA's concern, it might be even trickier. The analog FM repeater channels are pretty full, and there's a serious incompatibility in "sound." That's what keeps packet off today's FM repeaters. Voice repeater users in city A wouldn't be too happy having the digital audio from a co-channel repeater in city B 100 miles away spill into their speakers . That audio is pretty harsh in an analog receiver.

Fortunately, SERA has band-planned generous spectrum for packet on most VHF and UHF bands, with wide-band channels (100 kHz) on the 440 MHz bands. Packet isn't using much of that spectrum, and it's a logical choice to begin locating other digital

System diagram for ICOM's D-STAR



D-STAR System Schematic

modes as they come along. A few more years, though, and we'll have to begin accomodating a transition from old to new on current analog FM channels. Sooner or later, probably later, it will happen on *your* repeater.

Will you be participating? Some of you will, and I hope you'll share your early experiences with us at the *Repeater Journal.* Hmmm, do I see a name change somewhere down the line?

One big reason some hams seem like Luddites is that this new stuff can be expensive. We buy our own equipment. No corporate profits to fall back on when it's time to upgrade the infrastructure. And many hams pinch pennies until they are flatter than the ones I used to put on railroad tracks to be squished by commuter trains when I was a kid. Many of us get stuck in the era that we became hams. We think that the way things are when we get in is the way they have always been, and the way they should always be.

But some of us will jump into new technology as soon as we can. And new hams, young ones, will be pulled to the new stuff, especially when the prices become competitive with the old stuff.

It will all be very exciting, I'm sure. I don't suppose it will make us more interesting individuals, though. We'll still be using it to complain about traffic on the way to and from work. And how it is the end of Amateur Radio.

War

During this *Journal* cycle, the US has initiated and won a war with Iraq. I'll admit that I lost some *RJ* production time to watching the events on the tube.

The *Repeater Journal* didn't have an embedded reporter, and the politics are pretty much outside our arena. But ham radio does have a role in homeland security, and we will see Iraqi hams return to the air (along with hams with the military and press and relief groups who are getting on the air now). So it's not like we're not paying attention.

I want to thank our troops for doing a tough job, and offer my condolences to families who lost soldiers.

Field Day Tour

I'm planning another North Carolina Field Day Tour this year, a tradition started by our former NC News columnist Gene Fegley K3EJG. I keep wanting to call it the "Gene Fegley Memorial Tour," but Gene is still alive, so that really wouldn't be appropriate.

Last year I had a great time touring Field Day sites in eastern NC. This year, I plan to head west. If your club is hosting a Field Day operation anywhere between Raleigh and about Asheville, let me know. I'll try to stop by, take some pictures, and immortalize you in the pages of the *Repeater Journal.* E-mail **kn4aq@sera.org** with directions. Sorry to leave out all the other SERA states. I'll get to you as soon as SERA acquires it's corporate jet!

That's it for another quarter. See you this summer! ■

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SERA Repeater Journal
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The SERA *Repeater Journal* Southeastern
HAMFEST/CONVENTION CALENDAR

Hamfest dates marked with an asterisk (*****) are *not* confirmed and are estimated from the previous year's date.

We urge hamfest sponsors to send their correct dates to the *Repeater Journal* editor as soon as possible (**editor@sera.org**).

We acknowledge and appreciate assistance in confirming dates from SERA & ARRL Directors, the ARRL, commercial dealers, and many clubs and individuals.

Deadline for May Issue is April 1, 2003

MAY, 2003

2-3 .... Midwest Div. ARRL Conv/HF, LEBANON, MO
3 .... Upstate SC Hamfest, SPARTANBURG, SC
3 .... Big Sandy ARC Hamfest, LOUISA, KY
3 .... Hamfest, GRAYSONVILLE, MD
3-4 .... Birminghamfest, BIRMINGHAM, AL
4 .. **Canceled for 2003** ~~Antietam RA , HAGERSTOWN, MD~~
4 .... Jackson County ARC Hamfest, RIPLEY, WV
10 ***new date, location*** DurHAMfest, NG Armory, DURHAM, NC
10 ... CANCELLED!! ~~Plateau ARA Hamfest, BECKLEY, WV~~
10 .... Johnson County ARC, MOUNTAIN CITY, TN
16-18 .... Dayton Hamvention, DAYTON, OH
17 .... Roanoke ARS Swap Fest, WILLIAMSTON, NC
23-24 (Fri-Sat) **new date** Jackson Co ARA, PASCAGOULA, MS
24 .... Hopkins Co. ARA, MADISONVILLE, KY
25 .... MFMA Mem. Day Hamfest, West Friendship, MD

JUNE, 2003

1 .... Ole VA Hams, Hamfest at FG, MANASSAS, VA
7 . Atlanta RC Hamfest, State ARRL Conv., ATLANTA, GA
7 ...... Northern KY ARC Hamfest, INDEPENDENCE, KY
7 .... W-S Classic at Dixie FG, WINSTON-SALEM, NC
7 .... SERA summer Board of Directors meeting
13-14 (Fri-Sat) RACK Hamfest, TN ARRL, KNOXVILLE, TN
14 .... Nashville ARC Hamfest, SMYRNA, TN
14 . Pig Pickin'/Picnic/Tailgate (exams), FRANKLIN, VA
14 .... Dekalb Co. ARC Tailgate Outing, FT. PAYNE, AL
15 .... Frederick ARC Hamfest, FREDERICK, MD
21 .... Tailgate Party, CHESTER, SC
21 .... Hamfest (free), SILVER POINT, TN
28-29 .... **ARRL FIELD DAY**

JULY, 2003

12 .... Firecracker Hamfest, Civic Center, SALISBURY, NC
12-13 ARRL SE Div. Conv, Lanierland HF, GAINESVILLE, GA
19 .... Midsummer Swapfest, CARY, NC
19 .... RCARS Hamfest at Cdr Pt. Pk, DAYTON, TN
25-26 (fri-sat) .... Milton ARC Hamfest, MILTON, FL
26 .... OH-KY-IN ARS Hamfest, CINCINNATI, OH
26 .... WCARS Hamfest, Hywd Co. FG, WAYNESVILLE, NC
27 .... Portage Cty ARC Hamfest, RANDOLPH, OH
27 .... BRATS HF and Computer Fest, TIMONIUM, MD

AUGUST, 2003

2 .... Voice/ Aladdin ARC Hamfest, COLUMBUS, OH
3 .... 52nd Annual Winchester HF, BERRYVILLE, VA
3 .... Hamfest at Stuben Co. Frgrnds, ANGOLA, IN
8-10 Valdosta ARC, S. GA ARC Hamfest, VALDOSTA, GA
9* .... Hamfest, at Meth. Col., FAYETTEVILLE, NC
9 .... TARA HF & Comp. Show, HUNTINGTON, WV
9-10 ***new location*** Bluegrass ARS hamfest, LEXINGTON, KY
10 ..... Carroll County ARC Hamfest, WESTMINSTER, MD
16 .... Ellijay ARS Hamfest, ELLIJAY, GA
16-17 .... Hamfest, AL Sec. Conv., HUNTSVILLE, AL
17 .... Warren ARA Hamfest, WARREN, OH
23-24 ..... WV State Conv/HF, (Jksons Mill) WESTON, WV
30-31 .... Shelby ARC Hamfest, SHELBY NC
31 .... Short Mt. RC, Hamfest, LEBANON, TN

SEPTEMBER, 2003

6* .... Owen Cty ARA Hamfest, SPENCER, IN
6 ...... Greater Louisville Hamfest Assn., LOUISVILLE, KY
6-7 ...... Columbia ARA/FAR Hamfest, FRIENDSHIP, MD
6-7 .... Findlay Radio Club Hamfest, FINDLAY, OH
13 .... Monroe ARS Swap Meet, MONROE CO., TN
13* .... Paulding ARC Hamfest, DALLAS, GA
20 .... Arrl St. Conv./Hamfest, LITTLE ROCK, AR
21 .... Hamfest Assn. of Clev. HF, CLEVELAND, OH
21* .... Greater Cinci ARA Hamfest, CINCINNATI, OH
-- .... Date, Location TBA, VIRGINIA BEACH, VA
27* .... Cancelled in 2002 - Hamfest, DOTHAN, AL
27* .... Day in Park HF, STARKVILLE, MS

Is your hamfest listed correctly?

(does it still have a dreaded "*")

Have we missed one?

Please e-mail the editor at:

editor@sera.org

OCTOBER, 2003

3-4 .... (Fri-Sat) Ten-Tec Hamfest, SEVIERVILLE, TN
4* .. Cancelled in 2002- ~~KCARC , BOWLING GREEN, KY~~
4* .... Hamfest/Computer Fair, ROCK HILL, SC
11* .... Stafford ARA Hamfest, STAFFORD, VA
11 .... Hamfest, STARKE, FL
11* ...... ARC of Augusta, HF/Comp Show, AUGUSTA, GA
12* .... Hamfest, MAYSVILLE, NC
18 .... NW GA ARC Hamfest, ROME, GA
18 .... Gr. Jax HF Hamfest, JACKSONVILLE, FL
18 .... Hamfest, FOE building, OAK RIDGE, TN
25 .... *new* CATS Hamfest, CLARKSVILLE, TN
25 .... HF at C.Jordan in E.Ridge, CHATTANOOGA, TN
25 .... Sumter ARC Hamfest/Comp. Fair, SUMTER, SC
26* .... Massillon ARC Hamfest, CANTON, OH
Oct. 31, Nov 1* (Fri-Sat) Baton Rouge Hamfest, BAKER, LA

NOVEMBER, 2003

1-2 .... Stone Mt. Hamfest, LAWRENCEVILLE, GA
8 .... ***new location*** - Beachfest, MYRTLE BEACH, SC
8* .... Hamfest at St. Fairgrnds, MONTGOMERY, AL
15-16* .... Hamfest, FT. WAYNE, IN
16* .... JARSFEST at American Legion, BENSON, NC
14-15 .. West Jackson Co. Hamfest, OCEAN SPRINGS, MS
22* .... EARS Hamfest, EVANSVILLE, IN

DECEMBER, 2003

none

JANUARY, 2004

3* .... HF at Talley Ward RC, MORRISTOWN, TN
10* .... Ft. Myers ARC Hamfest FT. MYERS, FL
10* .... Hamfest, GREENWOOD, SC
10* .... Dial RC Hamfest, MIDDLETOWN, OH
11* .... Hamfest, SOUTH BEND, IN
17* .... Hamfest at SLU Univ., HAMMOND, LA
17 .... SCARA Hamfest at Civic Center, GALLATIN, TN

JANUARY, 2004

3 .... Lakeway ARC hamfest, MORRISTOWN, TN

FEBRUARY, 2004

Note: February 1st and March 1st 2004 are Sundays. When the first weekend is split between two months, there can be some confusing date-jockying for hamfests. The *RJ* will print confirmed dates as soon as we receive them.

(Fri, Sat) .... MS St ARRLConv/HF, JACKSON, MS
.... Charleston ARS Hamfest, CHARLESTON, SC
.... SE ARRL Div Conv/HF, MIAMI, FL
6-8* .... Hamfest, Central Florida FG, ORLANDO, FL
7-8* .... DixieFest Hamfest, MEMPHIS, TN
8* .... Hamfest, MANSFIELD, OH
8* .... ARRL VA State/FrostFest, RICHMOND, VA
14* .... Hamfest, SEBRING, FL
14* .... Hernando Co ARA Hamfest, BROOKSVILLE, FL
21* .... Dalton ARC Hamfest, DALTON, GA
22* .... Hamfest, Nat'l Grd. Armory, ELKIN, NC
22* .. Vienna Wireless Assn. Winterfest, ANNANDALE, VA
22* .... Hamfest, ZEPHYRHILLS, FL
29 .... Hamfest, FAYETTEVILLE, WV

MARCH, 2004

6* .... AR River Val. Hamfest, RUSSELLVILLE, AR
6* .... Kerbela Hamfest at Temple, KNOXVILLE, TN
6* .... Hamfest, HARRISON, AR
12-14 .... Acadiana ARA Hamfest, RAYNE, LA
13-14 .... Hamfest/Computer Show, CHARLOTTE, NC
13 (tent) . 26th Mam. Cave ARC Hamfest, CAVE CITY, KY
13* .... Hamfest, PORT CHARLOTTE, FL
13* ... Playground ARC Hamfest, FT. WALTON BEACH, FL
14* .. Toledo Mobile Radio Assn. Hamfest, MAUMEE, OH
20 .... Hamfest at Coonskin Armory, CHARLESTON, WV
20* .... Gulfcoast ARC HF, NEW PORT RICHEY, FL
21* ...... DownEast HF - Lenior County FG, KINSTON, NC
21* .... Lake Cty ARA Hamfest, MADISON, OH
27* .... Middle TN ARS Hamfest, TULLAHOMA, TN
27-28* .... ARRL MD St.-Conv/HF, TIMONIUM, MD

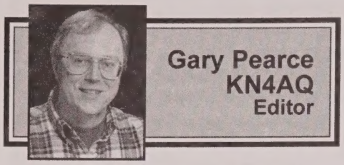
APRIL, 2004

3* .. Lincoln Train ARC Hamfest, ELIZABETHTOWN, KY
3* .... Union County ARC Hamfest, UNION, SC
3* .... Hamfest at Bradley HS, CLEVELAND, TN
3* .... Tailgate Party, JACKSONVILLE, FL
3* .... Ft. Smith Area ARC Hamfest, FT. SMITH, AR
4 .... RARS*Fest*, ARRL State Convention, RALEIGH, NC
11* .... Eastern Shore Hamfest, EASTON, MD
17* .... Chesapeake ARS ccHamfest, GAINESVILLE, FL
17* .... Chesapeake ARS Springfest, CHESAPEAKE, VA
17* .... Catawba Val. HF & Comp., MORGANTON, NC
23-24* .... Little Rock Hamfest, LITTLE ROCK, AR
23-24 .... SE VHF Conference, Huntsville, AL
24* .... Cherokee Capital ARS Hamfest, CALHOUN, GA

2004 CONFIRMED DATES

July 17 .... Mid-Summer Swapfest, CARY, NC

SQUELCHTALE



Gary Pearce
KN4AQ
Editor

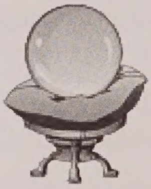
Cross my palm with silver...

"And I will predict your future," the lady told me. The sign outside of the odd looking house said "Fortune Teller," and between us sat a large crystal ball. I never put much stock in these mysterious arts, but I was oddly drawn to this house. Besides, I had a column to write, and I needed some information.

"I don't want to know *my* future," I said. "Tell me the future of Amateur Radio."

She gave me a funny look (all of her looks were funny), and I thought she mumbled something that sounded like "geek," but I couldn't be sure. She agreed to try. Turns out "cross my palm with silver" was just an expression. It would have taken a lot of quarters. She wanted lettuce. I'd expense it, so what the heck.

She went into a kind of trance for a few minutes, staring into the ball and slowly waving her hands over its surface. All I saw was gray mist, but just before she spoke again, I thought I caught a whiff of ozone mixed in with the incense she was burning.



"I see lightning. Big flashes of lightning! Quick flashes... on and off, on and off... And I hear buzzing. It's very rhythmical."

"Sparks! You're seeing spark! That's not the future, that's the past!" I was going to add "you fraud," but how could she know about spark? And anyway, I was getting excited.

"Sparks," she repeated, "yes, they are sparks, generated by some ancient apparatus. But don't worry. Sometimes the ball has to work its way through history to reach the future. Be patient."

I wished I could see what she was seeing. What was it really like to make a spark contact? To operate radios without calibration or tuning dials? To barely understand the technology, the physics that allow me to hear those raspy signals from so far away. Oh, wait, that last part still applies today.

She was moving on. Time appeared to be flying. "I see a warm glow, and the buzz is getting clearer, a tone, a pure tone, still on and off..." Tubes! Cw! "And I see angry, red faces. Arguments! Yelling and writing of letters to the editor of something called *Q..S...T!"*

She was seeing ham radio, all right. The transition from King Spark to cw was not pretty. Some of the hams were progressive and adopted the new technology eagerly. Some, who had a lot of money, time and understanding invested in their spark station, opposed the change vigorously. But spark was a spectrum-hog. Eventually the government had to force them off the air by making spark illegal.

"I hear voices!" Seems like someone in her business should be used to hearing voices, but she had adapted quickly to the rhythm of copying code. Now she must have been hearing the first AM phone contacts. "Excited voices... but more red, angry faces. Something about 'this isn't real Amateur Radio.'"

"I still hear voices, but I can't understand them. They sound more like a Donald Duck cartoon!" Single Sideband. I wanted to tell her to turn on her BFO, but I didn't know if the crystal ball had that option. Wait, it must have! She was able to copy the cw. Tuning the sideband was tricky, though, so she switched back to AM just in time to hear an angry voice complaining about the "end of Amateur Radio."

She had reached the era of ham radio where I got my start, the transition from AM to SSB in the 60's. My first station was AM, a Heathkit DX-100. Older hams were complaining about having to share the bands with that duck-squawk. I got sideband gear as soon as my teenage finances allowed.

"What's 'ker-chunk, beep' mean," she asked? The FM boom of the early 70's. Here's where I really had a ringside seat. Friends had introduced me to FM while we were still using converted commercial rigs, and the first repeaters were just being built. In just a few years, radios appeared for the Amateur market, mostly from the Japanese manufacturers. Repeaters were built everywhere. Hams developed frequency coordination to allow them all to work together.

"The faces aren't angry and red this time... they're *laughing.* And saying something about 'a bunch of sea-bee'ers ten-four.' It's all very strange. But I see a lot of people with little radios on their belts and in their cars, walking around and driving and talking. They are having a great time, while the people laughing are just sitting in their attics and basements looking at a wall of equipment with static coming out of their speakers."

She frowned and whapped the side of the ball. I think a few sparks flew around it. "What's wrong?" I asked.

"It's stuck. No, wait... time is still passing. People are getting older, but not much is changing. I'm still just seeing your cw, SSB and FM. Oh... the radios are getting smaller, while the people are getting larger." I sucked in my gut a little. "And look! I recognize those things. Computers! All you ham-people seem to be getting them. Some of you are connecting them to the radios and typing."

We were approaching the modern era, and I couldn't wait to sail on into the future and see what is to come.

"It's stuck again!" Whap, more sparks. "I've lost the connection. I'm seeing something else. Police cars, fire trucks... Ah, there's a geeky engineer-type with a screwdriver in his shirt pocket. He's explaining something about *trunking...* I don't see any elephants nearby. Oh, I see! He's putting in a fancy new radio system for a city."

A *trunked radio* system, I tried to explain. Trunk like tree, not trunk like elephant. But either way, ham radio didn't adopt the technology. We stayed with stand-alone VHF and UHF repeaters. We linked a lot of them, though. She ignored my defense. The fortune-teller was absorbed by the ball. I was thinking about signing her up for the next ham class.

"Now everyone has a radio on their belt. Oh, they're not ham radios, they're cell phones! And there's someone walking around saying 'can you hear me now?' Everyone is saying 'digital' this and 'digital' that. Let me try to pick up your hams again. They must be very advanced by now..."

Operating the crystal ball must be a lot like operating receivers back in the spark days. Make some mysterious motions around the apparatus without knowing exactly what works and what doesn't, and sooner or later something happens.

She frowned again. "It must have gone backwards. All this change, and your hams aren't doing anything different."

CONTINUED ON PAGE 55

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